

SDG1.2.1 Students receiving financial aid

– Number of students

عدد الطلبة

– الفصل الأول 2022 – 2023 11366 طالب

– الفصل الثاني 2022 – 2023 11699 طالب

الطلبة المسجلين 2022/2	الطلبة المسجلين 2022/1	التخصص
143	101	الرياضيات
347	322	علم الحاسوب
4	14	نظم المعلومات الحاسوبية
477	434	هندسة برمجيات
253	234	علم الحاسوب/ الذكاء الاصطناعي
16	12	الفيزياء
526	385	الامن السيبراني
2154	2148	الصيدلة
180	77	العلاج الطبيعي
966	833	التمريض
304	252	اللغة العربية
223	213	اللغة الأنجليزية/أدب
826	1225	معلم صف
456	446	اللغة الأنجليزية / ترجمة
186	227	اللغة الفرنسية والإنجليزية وأدبهما
430	392	إدارة الأعمال
858	851	المحاسبة
130	135	العلوم المالية والمصرفية

الطلبة المسجلين 2022/2	الطلبة المسجلين 2022/1	التخصص
41	66	التسويق
232	229	نظم المعلومات الإدارية
706	645	الحقوق
113	123	الهندسة الكهربائية/ الاتصالات و الحاسوب
197	227	الهندسة المدنية والبنية التحتية
251	246	هندسة الميكانيكية
120	129	هندسة كهربائية- قوى وتحكم
68	83	تكنولوجيا طاقة بديلة
182	180	هندسة العمارة
202	182	تصميم جرافيكي
318	291	تكنولوجيا الوسائط المتعددة
55	53	تصميم الازياء
38	37	ماجستير رياضيات
4	7	ماجستير علم الحاسوب
17	19	ماجستير هندسة البرمجيات
80	88	ماجستير علوم صيدلانية
39	44	ماجستير-تمريض
28	35	ماجستير ادب -انجليزي
40	43	ماجستير ادارة الاعمال
23	17	ماجستير المحاسبة
10	11	ماجستير التسويق
29	24	ماجستير تحليل الاعمال
70	57	ماجستير-حقوق
36	31	ماجستير تصميم جرافيكي
11699	11366	المجموع

Number of low-income students receiving financial aid

الجدول يوضح نسبة وقيمة المنح المقدمة لطلبة البكالوريوس موزعة على الكليات

تسلسل	اسم الكلية	نسبة المستفيدين 2022 - 2021	قيمة المنح	نسبة المستفيدين 2023 - 2022	قيمة المنح
1	العلوم وتكنولوجيا المعلومات	%98	707773	%91	1174812
2	الصيدلة	%97	2052733	%89	2530205
3	التمريض	%97	263109	%95	613218
4	الآداب	%99	2292463	%92	1447277
5	الأعمال	%91	1035454	%95	413048
6	الحقوق	%98	273063	%85	784343
7	الهندسة والتكنولوجيا	%83	648407	%95	1337355
8	العمارة والتصميم	%97	432622	%97	688929
9	العلوم الطبية التطبيقية	%0	%0	%100	103414
المجموع		%95	7705625	%92	9092601

الجدول يوضح نسبة وقيمة المنح المقدمة لطلبة الماجستير موزعة على الكليات

تسلسل	اسم الكلية	نسبة المستفيدين 2022 - 2021	قيمة المنح	نسبة المستفيدين 2023-2022	قيمة المنح
1	العلوم وتكنولوجيا المعلومات	%77	27186	%87	32679
2	الصيدلة	%83	44685	%99	55890
3	التمريض	%72	15516	%82	18708
4	الآداب	%76	15660	%86	15336
5	الأعمال	%69	48264	%95	52728
6	الحقوق	%68	24840	%92	38232
7	العمارة والتصميم	%91	10080	%97	17496
المجموع		%75	186231	%92	231069



SDG 1

No Poverty

ZUJ

جامعة الزيتونة
Al-Zaytoonah University of Jordan



SDG1.3.1 Bottom financial quintile admission target

Targets to admit students who fall into the bottom 20% of household income group (or a more tightly defined target) in the country.

— Scholarships and Incentives [Click Here](#)

SDG1.3.2 Bottom financial quintile student success

Graduation/completion targets for students who fall into the bottom 20% of household income group (or a more tightly defined target) in the country.

[Click Here](#) جامعة الزيتونة الأردنية تكرم فريق طلاب المحاكمات السورية



كرمت عمادة شؤون الطلبة في جامعة الزيتونة الأردنية فريق الجامعة الذي شارك في مسابقة المحاكمات السورية التي عُقدت في المعهد القضائي الأردني.

وحاز الفريق الذي أشرف على تدريبه الدكتور علي جبرة من كلية الحقوق على جائزة أفضل مترافع وكيل دفاع وجائزة أفضل مترافع وكيل إدعاء وجائزة أعلى مجموع أفرقة.

وبين عميد شؤون الطلبة أهمية هذه المسابقة لما تضيفه للطلبة من خبرات وتجارب عملية تساهم في تعزيز خبراتهم ومهاراتهم في تطبيق القانون على وقائع القضايا.

وتكون الفريق المشارك في المسابقة من أمير حتر وعبد الله علقم وإيمان النجار ورهف الشيخ.

- رئيس جامعة "الزيتونة" يتوج الفائزين في سباق الضاحية [Click here](#)
- جامعة "الزيتونة" تهنيء الطالب وليد الشواورة بمناسبة حصوله على المركز الاول محلياً والخامس عالمياً في مسابقة Try Hack Me [Click here](#)
- جامعة الزيتونة الاردنية تختتم مسابقة حفظ القران الكريم [Click here](#)
- اعلان نتائج "مسابقة قاص الجامعات الأردنية" في الزيتونة [Click here](#)
- مكتب الارشاد الوظيفي ومتابعة الخريجين [Click Here](#)

The Career Guidance and Alumni Office – King Abdullah II Fund for Development at Al-Zaytoonah University of Jordan is a Non-Profit Office That Takes Aim to Bridge The Gap Between The Institutions And The Local Community Of The Labor Market From One Side And The University And Student From The Other Side.

SDG1.3.3 Low-income student support

Provide support (e.g., food, housing, transportation, legal services) for students from low-income families to enable them to complete university.

- دائرة الخدمات الطلابية / عمادة شؤون الطلبة [Click Here](#)
- دليل الطالب [Click Here](#)
- شعبة الإرشاد النفسي والاجتماعي [Click Here](#)
- التوعية بشعبة الإرشاد النفسي والاجتماعي [Click Here](#)
- جامعة الزيتونة الأردنية توقع اتفاقية تعاون مع بورصة عمان [Click Here](#)
- الزيتونة الأردنية توقع اتفاقية تعاون مع السعيد اليمنية [Click Here](#)
- جامعة "الزيتونة" توقع اتفاقية تعاون مع المركز الوطني للإبداع [Click here](#)
- الزيتونة الأردنية واللوجستية الأردنية توقعان مذكرة تفاهم بهدف نقل مهارات الطلبة في مجال لوجيستات الشحن والتزويد. [Click here](#)
- "مهارات ريادية" سلسلة ورش تدريبية في الزيتونة الأردنية [Click here](#)
- توقيع اتفاقية تعاون علمي وافتتاح غرفة محاكاة في جامعة الزيتونة الأردنية [click here](#)
- اتفاقية تعاون بين معاهد العبور وجامعة الزيتونة بالأردن [click here](#)
- البنك العربي وجامعة "الزيتونة" يوقعان اتفاقية تعاون لإصدار البطاقة الجامعية الذكية [click here](#)
- اعتماد جامعة الزيتونة كمركز لأحدث العالمية لعقد امتحانات التوفل [click here](#)
- مسابقة إبداعية موضوعها " التحديات التي تواجه اللغة العربية في العصر الرقمي " [click here](#)
- عمادة شؤون الطلبة تستقبل شعبة النشاط الموسيقي الطلبة الموهوبين [click here](#)

SDG1.3.4 Bottom financial quintile student support

Programmes or initiatives to assist students who fall into the bottom 20% of household income group (or a more tightly defined target) in the country to successfully complete their studies.

- ورشة تعريفية لطلبة جامعة "الزيتونة" حول الدراسة والعمل في ألمانيا [Click Here](#)
- الزيتونة" تستقبل طلاب المجلس العربي للتدريب والابداع الطلابي [Click Here](#)
- اتفاقية تعاون بين معاهد العبور وجامعة الزيتونة بالأردن [Click Here](#)
- دورات جامعة الزيتونة الاردنية - مركز الاستشارات [Click Here](#)
- دورات جامعة الزيتونة الاردنية - مركز الاستشارات [Click Here](#)
- دورات جامعة الزيتونة الاردنية - مركز الاستشارات [Click Here](#)
- اليوم الوظيفي الرابع عشر في جامعة الزيتونة الأردنية [Click Here](#)

SDG1.3.5 Low or lower-middle income countries student support

Schemes to support poor students from low or lower-middle income countries (e.g., offering free education, grants).

- عمادة شؤون الطلبة شعبة الطلبة الوافدين تقيم لقاء تعارفي بين طلبة الجالية العراقية [Click Here](#)
- وفد وزارة التربية والتعليم العالي القطرية يزور جامعة الزيتونة الاردنية [Click Here](#)
- "الزيتونة" تقيم مأدبة إفطار للطلبة العمانيين [Click Here](#)
- الملحق الثقافي العراقي يزور جامعة الزيتونة الاردنية [Click Here](#)
- جامعة "الزيتونة" توقع مذكرة تفاهم مع معهد العبور من دولة مصر [Click Here](#)
- جامعة "الزيتونة" توقع مذكرة تفاهم مع جامعة كوتاهيا داملوبينار التركية [Click Here](#)
- "الزيتونة" توقع مذكرة تفاهم مع جامعة تشيك العراقية [Click Here](#)
- المجالي والسفير العماني يشاركان الطلبة العمانيين في جامعة "الزيتونة" احتفالهم بالعيد الوطني [Click Here](#)
- السفير العماني في رحاب جامعة الزيتونة الاردنية [Click Here](#)
- لقاء تعارفي بين طلبة الجالية العراقية [Click Here](#)
- جامعة "الزيتونة" تنظم بطولة لخماسي كرة القدم للطلبة الوافدين [Click Here](#)
- الزيتونة" تقيم مأدبة إفطار للطلبة العمانيين [Click Here](#)
- جامعة الزيتونة الاردنية تقيم مأدبة إفطار للاشقاء الطلبة الفلسطينيين [Click Here](#)
- جامعة "الزيتونة" تقيم إفطاراً رمضانياً للطلبة الوافدين من مصر [Click Here](#)
- جامعة الزيتونة الاردنية تقيم إفطارات رمضانية للأطفال الأيتام [Click Here](#)
- **جامعة الزيتونة الاردنية تفتتح معرض الجاليات التاسع** [Click Here](#)
- الزيتونة" تستقبل طلاب المجلس العربي للتدريب والابداع الطلابي [Click Here](#)
- الزيتونة تحتفل بتخريج طلبة المجلس العربي للتدريب والابداع الطلابي [click here](#)

SDG1.4.1 Local start-up assistance

Provide assistance in the local community supporting the start-up of financially and socially sustainable businesses through relevant education or resources (e.g., mentorship programmes, training workshops, access to university facilities).

- "الزيتونة" تختتم دورة الريادة والابتكار بعنوان "دكتور لكل مصنع" [Click Here](#)
- مديرية حماية الملكية الصناعية تحاضر في الزيتونة حول براءات الاختراع [Click Here](#)
- عضو هيئة تدريس في جامعة "الزيتونة" يحصد جائزة افضل مرشد لرواد الأعمال بالعالم العربي [Click Here](#)
- لقاء تعريفى بمركز الريادة والابتكار في جامعة الزيتونة الاردنية [Click Here](#)
- مركز الريادة والابتكار في جامعة الزيتونة الاردنية يدعو طلبة مادة الريادة والابتكار للمشاركة المجانية في البرنامج الرقمي المتكامل بعنوان "كيف تبدأ مشروعك" [Click Here](#)
- يدعوكم مركز الريادة والابتكار في جامعة الزيتونة الاردنية للتسجيل في مبادرة " مليون رائد أعمال رقمي عربي " [Click Here](#)
- فعاليات تقنيات تصميم الالعب في جامعة "الزيتونة" [Click Here](#)
- "الزيتونة" تنظم ندوة ثقافية حول التصوير في الترحال ورياضة الهايكنج والآثار [Click Here](#)
- رئيس جامعة الزيتونة الأردنية يفتتح معرض الثاني لكلية "العمارة والتصميم" [Click Here](#)
- وفد من منظمة الامم المتحدة للتنمية الصناعية يزور جامعة الزيتونة الاردنية [Click Here](#)
- تعلن جامعة الزيتونة الاردنية وبالتعاون مع مركز طلال أبو غزالة للمعرفة عن عقد ورشة تدريبية مجانية لجميع طلاب الجامعة تحت عنوان (كوكيتل مهارات) [Click Here](#)

SDG1.4.2 Local start-up financial assistance

Provide financial assistance to the local community supporting the start-up of financially and socially sustainable businesses.

- احتضان مشروع الحفر على الخشب

جامعة الزيتونة الأردنية
Al-Zaytoonah University of Jordan
كلية الأعمال
Faculty of Business

ترتيب: 712 / 05 2022-2021
التاريخ: 2022/6/26

الأستاذ الدكتور رئيس الجامعة الأكرم ...
السلام عليكم ورحمة الله وبركاته ..

تجسداً للرؤية الاستراتيجية لكلية الأعمال ومعايير الإعتماد الدولية وتفعيلاً لمعضلتها ودورها في دعم أو
احتضان مشاريع الأعمال، وبناءً على العرض الذي قدمته الطالبة الفريجة دانية فؤاد خليل الأحول أثناء لقاء الطالبة
الخريجون حول مشروع أعمال باسم "الفكر الراقي لتصميم الجرافيك" الذي يحاكي حالياً إيرادات سنوية بقيمة (11850)
دينار، وصافي أرباح (4740) دينار، وتوصية لجنة الخبراء التي استندت على دراسة مرحلة التطوير الحالية والسوق
المستهدف والفرصة التسويقية ومعدل نمو السوق للمنتج، والتوصيات التي تواجه المشروع واحتياجاته، ينسب مجلس
الكلية في اجتماعه رقم (18) تاريخ 2022/6/20 القرار رقم (2022-2021/18/05) بالموافقة على دعم تسريع نمو
المشروع وذلك من خلال ما يلي :

- 1- استخدام الآلات المتاحة في الجامعة ذات العلاقة بتطوير العمل (الطفر على الخشب) وفق قواعد وشروط العمل
المعتادة في الجامعة.
- 2- وضع خطة تسويقية من قبل قسم التسويق في الكلية .
- 3- التدريب في مجال التصميم واستخدام الوسائط المتعددة.
- 4- المساعدة الفنية والمهنية من قبل أساتذة متخصصين في قسم المحاسبة لمسك الدفاتر المحاسبية للشركة
إعداد التقارير المالية ومتابعتها ضريبياً .

وفي حالة موافقة مجلس العداة، أُنصَب بما يلي :

- 1- العمل على قراء أثر تسريع مشروع الأعمال التي يتطلب منا تحديد الإيرادات والأرباح بتاريخ موافقة المجلس ثم
قياس أثر الدعم وتسريع بعد كل سنة لشهر ولمدة سنة واحدة فقط .
- 2- إعداد خطة تسريع واحتضان بين الجامعة والطرف الثاني لحفظ حقوق وإيجابيات الطرفين .

ولذلك نلتم طلب احتضان و دعم تسريع مشروع أعمال .
وتفضلوا بقبول فائق الاحترام والتقدير ...

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Faculty of Business

الرقم : 695 / 85 / 2021-2022
التاريخ : 2022/6/13

قرار رقم: (2022-2021/17/09)

قرار مجلس كلية
موضوع القرار : مشروع الطالبة دانية فؤاد خليل

اتخذ مجلس الكلية في الجلسة رقم (17) بتاريخ 2022/6/13 ، القرار الآتي:

تشكيل لجنة من الزملاء التالية اسماءهم لغرض دراسة الأفكار الموجودة في طلب الطالبة الفريجة من قسم المحاسبة دانية فؤاد خليل/ الاسم التجاري (الفكر الراقي للتصاميم الجرافيكي) الذي تطلب فيه احتضان مشروعها (الخطير على الغش) من خلال الحاضنة الموجودة في كلية الأعمال بالتعاون مع كلية الهندسة، ورفع التوصية اللازمة لغرض الموافقة على احتضان المشروع من خلال حاضنة الأعمال في كلية الأعمال ولمدة سنة واحدة، وعلى النحو الآتي :

- 1- د. فiras الحرم الرفاعي - قسم إدارة الأعمال .
- 2- د. نعمة موسى النجاني - رئيس قسم التسويق .
- 3- د. أيمن عبد المجيد الصمادي - ق.أ. رئيس قسم العلوم المالية والمصرفية .

عميد كلية الأعمال
أ.د. سعد غالب ياسين

شعبة لكل

• د. محمد لطفي عاشر	• د. أيمن عبد العزيز بتر القناوي
• د. فiras الحرم الرفاعي	• د. أيمن علي الحرم
• د. مارك مكي أبو علفة	• د. أيمن عبد المجيد الصمادي
• د. آلاء فؤاد النوريك	• د. نعمة موسى النجاني
• د. مهاب فراح الجنداني	• د. فiras موسى النجاني
• د. خالد صالح العوش	• د. أحمد عاتق جميل

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جامعة الزيتونة الأردنية
Al-Zaytoonah University of Jordan

كلية الأعمال
Faculty of Business

رقم : 706 / 85 / 2022- 2021
التاريخ : 2022/6/20

قرار رقم: (2022-2021/18/05)

قرار مجلس كلية

موضوع القرار : مشروع اتفاقية دائمة لواء خليل

اتخذ مجلس الكلية في الجلسة رقم (18) بتاريخ 20 / 6 / 2022 ، القرار الآتي :

ينسب المجلس بالموافقة على دعم تسريع نمو المشروع وذلك من خلال ما يلي :

- 1- استخدام الآلات المتاحة في الجامعة ذات العلاقة بتطوير العمل (الحفر على الخشب) وفق قواعد وضوابط العمل المعتمدة في الجامعة.
- 2- وضع خطة تسويقية من قبل قسم التسويق في الكلية .
- 3- الترويج في مجال التصميم واستخدام الوسائط المتعددة.
- 4- المساعدة الفنية والمهنية من قبل أساتذة متخصصين في قسم المحاسبة لمسك النظار المحاسبية للشركة وإعداد التقارير المالية ومتابعتها ضريبياً .

وفي حالة موافقة مجلس العمدة ، أنسب بما يلي :

- 1- العمل على قياس أثر تسريع مشروع الأعمال الذي يتطلب منا تحديد الإيرادات والأرباح بتاريخ موافقة المجلس ثم قياس أثر الدعم والتسريع بعد كل ستة أشهر ولمدة ستة واحدة فقط .
- 2- إعداد عقد تسريع واحتضان بين الجامعة والطرف الثاني لحفظ حقوق وواجبات الطرفين .

عميد كلية الأعمال

أ.د. سعد خاليل ياسين

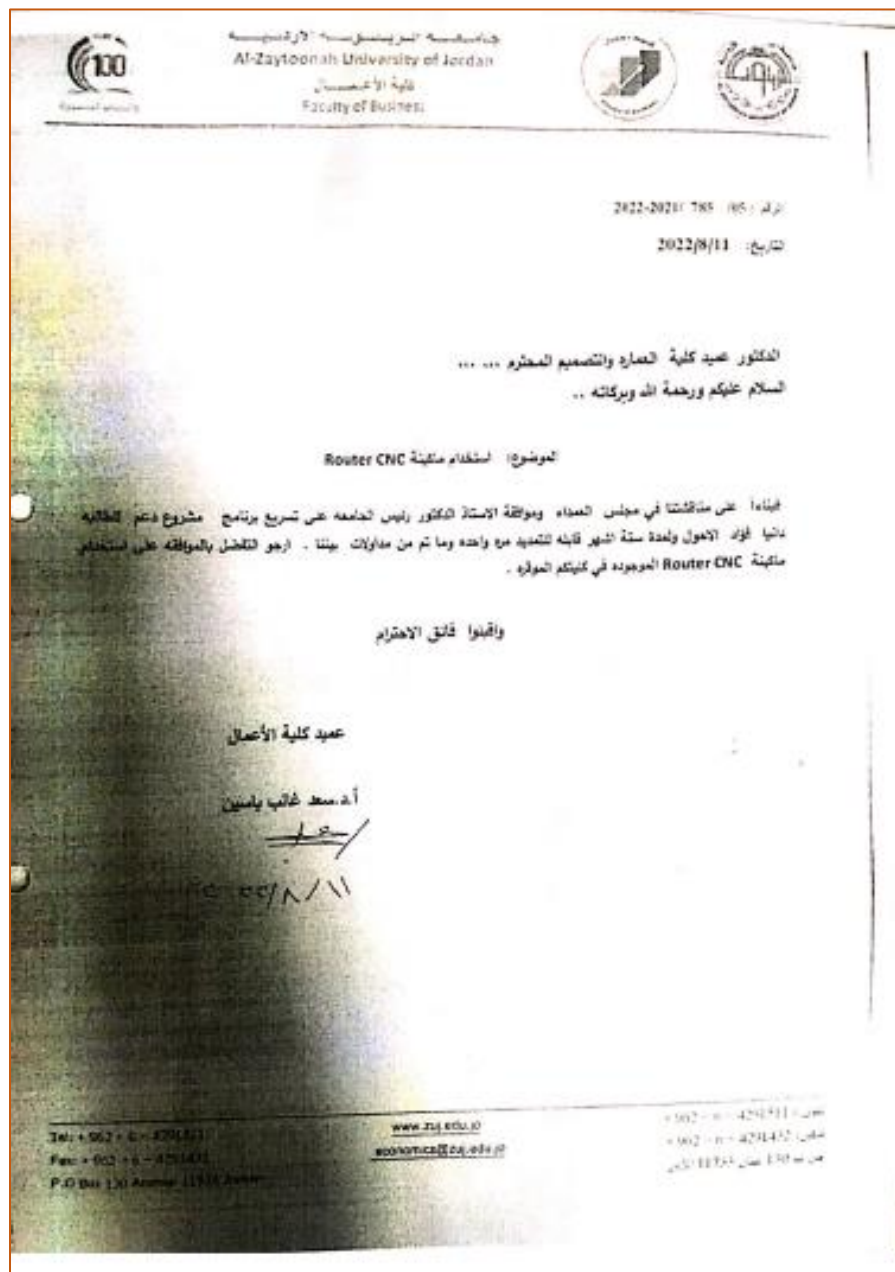
نسبة لكل

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• د.إيهاب علي القرم	• د.فراس الكرم الرقاصي
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جامعة الزيتونة الأردنية
Al-Zaytoonah University of Jordan
كلية العمارة والتصميم
Faculty of Architecture and Design

رئيسة بي. د. نورهان
Ref:
Date:
2022/08/21

الرقم: 2022-2021/370/10
التاريخ: 2022/08/21

عميد كلية الأعمال المحترم
تحية طيبة وبعد ...

استخدام ماكينة Router CNC

إشارة إلى الكتاب رقم (2022-2021/785/05) بتاريخ 2022/08/11، بخصوص مشروع دعم الطالبة دانيا قواد الأحرار (حاضنة الاتصال) مرفق لكم طيه المواعيد المتاحة من تاريخ 2022/8/11 وحتى 2022/10/13 بعد التنسيق مع رئيس قسم هندسة العمارة على أن يتم تزويكم في المواعيد الجيدة بداية الفصل الدراسي الأول 2022/2022 كما يلي :

الوقت	اليوم
12:00-9:00	الأحد ، الاثنين ، الثلاثاء
3:00-9:00	الأربعاء ، الخميس

وتفضلوا بقبول فائق الاحترام والتقدير

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كلية الأعمال
Faculty of Business

الإستاذ الدكتور عميد كلية الأعمال المحترم
التاريخ 2022-10-09

الموضوع: احتضان الطلبة ذاتيا الاحول بهدف تسريع مشروعها للقيام
تحية طيبة وبعد،،،

تقدمت الطالبة (الخريجة) دانيا الاحول بتاريخ 2022-06-07 بطلب احتضان (تسريع لمشروعها القائم)، حيث تمت الموافقات الكريمة من مجلس الكلية و رئاسة الجامعة على الاحتضان والتسريع لمدة 6 أشهر.

بعد عدة لقاءات مع دانيا الاحول ومساعدكم الطيبة، تم بتاريخ 2022-08-10 اللقاء مع د. احمد الصوي، نائب عميد كلية العمارة والتصميم، وبحضور الدكتور لؤي دبور، رئيس قسم هندسة العمارة، وحصلنا على موافقة خطية مفادها السماح لدانيا الاحول باستخدام الماكينة المعلقة (Router CNC) وايضا المشاركة مجانيا في دورة تدريبية.

بناء على ذلك، وبالتنسيق مع د. لؤي دبور، اختارت دانيا الاحول المواعيد التالية للبدء في استخدام الماكينة المذكورة أعلاه:

- الأحد - الثلاثاء 12-9
- الأربعاء والخميس 15-9

منذ ذلك الحين ولغاية الان لم تقم دانيا الاحول باي استخدام للماكينة المذكورة بالرغم من التذكير المستمر والمتواصل بذلك. وبصفتي مشرف على حاضنة الاعمال، فقد طلبت مراراً وتكراراً من دانيا الاحول بان تقوم باستخدام الماكينة وكتابة تقرير ملخص بعد كل زيارة لرصد الأنشطة وتحديد التطور بالآباء، الا انها لم تستجيب ابداً وفي كثير من الأحيان لم تكن تحضر مطالباتي أي اهتمام.

اليوم قمت بإخبارها بالتواصل مع حضرتك، كما طلبتكم، لتحديد لقاء مع حضرتك ومناقشة هذا الوضع الموضح أعلاه.

للاطلاع وللتنويه لما لرونه مناسباً

واقبلوا فائق الاحترام والتقدير

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SDG1.4.3 Programmes for services access

Organise training or programmes to improve access to basic services for all.

- مبادرة صحية توعوية في جامعة " الزيتونة " بالتعاون مع الجمعية الملكية للتوعية الصحية [Click Here](#)
- تمرير جامعة "الزيتونة" ينظم ورشة عمل تدريبية بالتعاون مع الحسين لسرطان [Click Here](#)
- رئيس جامعة "الزيتونة" يرفع اللقاء التربوي العلمي للعلاج الطبيعي في الاردن [Click Here](#)
- يوماً توعوياً في جامعة "الزيتونة" حول آفة المخدرات والحد من ظاهرة حوادث السير [Click Here](#)
- رئيس مجلس الأعيان دولة فيصل الفايز يفتتح معرض لوحة الأمل في جامعة الزيتونة الاردنية [Click Here](#)
- حملة للتبرع بالدم في جامعة الزيتونة الاردنية [Click Here](#)
- المركز الصحي يقدم خدماته الطبية في كل يوم سبت , من كل أسبوع , لأبناء المجتمع المحلي. [Click HERE](#)
- مساعدات المجتمع المحلي

جدول رقم 2

مساعداات المجتمع المحلي للأعوام 2024 / 2023 ، 2023 / 2022 ، 2022 / 2021

مبلغ المساعدة	مبلغ المساعدة	مبلغ المساعدة	نوع المساعدة
2024 / 2023	2023 / 2022	2022 / 2021	
15731	19084	611	علاجات مجانية لعائلات المجتمع المحلي
28950	28150	20640	الجمعيات الخيرية ولجان الزكاة
16300	17252	21310	عائلات فقيرة
26752	21582	11722	عينية
17770	15980	7720	مساعداات شهر رمضان وعيد الفطر السعيد
4170	7250	4140	عيد الأضحى المبارك
4500	4000	1900	لجان إعمار المساجد
5657	3870	3537	طلبة فقراء - جامعات / مدارس
1700	950	700	الإتحادات والنوادي الرياضية
22796	42710	32838	صيانة المؤسسات العامة / المدارس
144325	160829	105118	



SDG1.4.4 Policy addressing poverty

Participate in policy making at local, regional, national and/or global level to implement programmes and policies to end poverty in all its dimensions.

- محاضره توعوية بعنوان "التوعية الأمنية بما يتعلق بالاحتيايل والابتزاز الإلكتروني" في جامعة الزيتونة

[Click Here](#) الاردنية

- الامن سيبراني في جامعة الزيتونة تنظم زيارة علمية الى إدارة البحث الجنائي [Click Here](#)

- جامعة الزيتونة الاردنية تقيم إفطارات رمضانية للأطفال الأيتام [Click Here](#)

- محاضرة توعوية ارشادية بعنوان "مستقبلي كطالب جامعي كيف اخطط وأفكر بواقعي" في جامعة

[Click Here](#) "الزيتونة"

- خصومات للطلبة الجدد في جامعة الزيتونة الأردنية – برامج الماجستير - [Click Here](#)

- المنح الدراسية و الحوافز التشجيعية [Click Here](#)

- زيادة نسبة خصومات أبناء العاملين في جامعة الزيتونة الأردنية (منذ عام 2022 و بشكل مستمر)

[Click Here](#)

Good Health and Well-being

SDG 3.1 Research on health and well-being

[Click here- bibliometric](#)

3.1.1 Good health and well-being: paper views

ZUJ actively encourages faculty members to engage in research and publish on topics related to health promotion:

Al-Zaytoonah University engages in various research initiatives focused on health and well-being. Here are some key areas where the university contributes to this field:

1. Public Health Research

- Faculty members conducted several studies on public health issues, exploring topics such as disease prevention, health education, and community health challenges.

2. Nutrition and Dietetics

- Research in this area involved studies on dietary habits, nutrition education, and the impact of nutrition on overall health and well-being, particularly in Jordanian populations.

3. Mental Health Initiatives

- There are research projects focusing on mental health awareness, stigma reduction, and the effectiveness of mental health services in the community.

4. Chronic Disease Management

Good Health and Well-being

- Investigations into chronic conditions prevalent in the region, such as diabetes and cardiovascular diseases, are common, aiming to develop better management strategies and health interventions.

5. Environmental Health

- Research also addressed the relationship between environmental factors and public health, studying how pollution, urbanization, and lifestyle changes impact health outcomes.

6. Health Promotion Programs

- The university developed and evaluated health promotion campaigns aimed at improving lifestyle choices among students and the broader community.

7. Community Engagement

- Collaborations with local health organizations and community outreach programs can enhance research relevance, addressing real-world health issues faced by communities.

8. Academic Publications

- Faculty members often publish their findings in academic journals, contributing to global discussions on health and well-being. Searching platforms like Google Scholar or ResearchGate with relevant keywords can help locate these publications.

9. Students Theses

Good Health and Well-being

- Graduate students in health-related fields conducted research that contributes to the university's body of knowledge on health and well-being, often available through the university's library.

10. Conferences and Workshops

- The university hosted and participated in conferences focusing on health-related topics, showcasing ongoing research and fostering collaborations with other institutions.

For detailed information on specific studies or projects, visiting the university's official website, exploring faculty pages, or contacting relevant departments would be beneficial. If you have specific research topics in mind or need help finding certain studies, let me know!

Good Health and Well-being

SDG 3.1 Research on health and well-being

[Click here- bibliometric](#)

3.1.2 Clinical citations

Al-Zaytoonah University of Jordan has made notable achievements in clinical and health sciences research, evidenced by its citation rankings and metrics in international assessments. According to the AD Scientific Index, the university has seen substantial contributions in nursing and health sciences, specifically within subfields such as adult nursing, psychiatric nursing, and emergency nursing. Faculty members in these areas rank among the highest in the region in terms of citation impact, reflecting the university's research influence over the past six years.

[AD Scientific Index](#)

[UniversityGuru](#)

In addition, Al-Zaytoonah University participates in the Times Higher Education (THE) rankings, which measure impact based on citations, research reputation, and teaching. The university is assessed in various international contexts, including the Emerging Economies University Ranking and the Asia University Rankings, which both highlight the significance of citation metrics as part of the overall research performance.

[AD Scientific Index](#)

For detailed ranking data and further insights into the university's clinical research impact, you can explore the AD Scientific Index and THE profiles.

SDG 3.1 Research on health and well-being [Click here- bibliometric](#)

3.1.3 Good health and well-being: publications

كلية التمريض

Indexing	Name of researchers	researches	#
(ISI)	Prof. Khalid Sulieman, Osama Abdalkareem	Fatigue among post-hematopoietic stem cell transplant patients in Jordan: prevalence and associated factors"	1
(ISI)	Dr. Malakah Malak	"Perceptions of patient safety culture among emergency room nurses in Jordanian accredited hospitals"	2

(ISI)	Dr. Malakah Malak	The willingness of the healthcare professionals working in healthcare institutions to accept the first dose of COVID-19 vaccine in Jordan: A National Survey	3
(ISI)	Dr. Malakah Malak	Nurses experience of caring for patients with COVID-19: A phenomenological study	4
(ISI)	Dr. Marwa Al-Barmawi	Predictors and components in the academic motivation of nursing students during the covid-19 pandemic in Jordan	5

(ISI)	Dr. Malakah Malak	Perception of nurses knowledge about palliative care in west bank/Palestine: levels and influencing factors	6
(Scopus)	Dr. Malakah Malak	Postpartum depression among first-time Jordanian mothers: levels and associated factors	7
(ISI)	Dr. Maha Mohammad Subih Dr. Malakah Malak	Effect of educational program on knowledge, skills, and personal preparedness for disasters among emergency nurses: a quasi-experimental study	8
(ISI)	Dr. Malakah Malak	Knowledge, skills, and practice of triage among emergency nurses in Jordan	9

	Dr. Dalal Basheir Mohammad		
(Scopus)	Prof. Suhair Al-Ghabeesh	Perceived occupational stressors and the general health of critical care nurses during COVID-19 pandemic	10
(ISI)	Dr. Malakah Malak	Patients perception of quality nursing care and services in emergency department in Jordan	11
(ISI)	Dr. Marwa Al-Barmawi	The impact of stress associated with caring for patients with COVID-19 on decisions, resilience, and perceived self-efficacy in newly hired nurses in Jordan: A cross-sectional study	13

(ISI)	Dr. Maha Mohammad Subih	Evaluation of compassion fatigue and compassion satisfaction among emergency nurses in Jordan: A cross-sectional study	14
(ISI)	Dr. Malakah Malak	Effect of progressive muscle relaxation exercise on anxiety among male nursing students undergoing maternity clinical training	15
(Scopus)	Dr. Malakah Malak	Knowledge about multiple sclerosis among Palestinian community dwellers in the West bank	16
(Scopus)	Dr. Mohammad Al-Naeem	Constipation Severity and Quality of Life among Patients with Cancer Who Received Prophylactic Laxatives: Quasi-Experimental Study	17

(Scopus)	Dr. Mohammad Al-Naeem	Healthcare providers' intention to leave their jobs during COVID-19 pandemic: A cross-sectional study	18
(Scopus)	Dr. Mohammad Al-Naeem	Exploring the triggers of psychological distress among Jordanian patients with heart failure: a phenomenological study	19
(ISI)	Prof. Suhair Al-Ghabeesh	Qualitative study of challenges facing emergency departments nurses in Jordan	20
(Scopus)	Dr. Malakah Malak	The influence of shift-work on perceived stress, sleep quality, and body mass index among emergency nurses	21

(ISI)	Dr. Hasan Abu Alruz	Death and dying through the lens of Jordanian Muslim patients and caregivers	22
(ISI)	Dr. Andaleeb Abu Kamel	Predictors of COVID-19 vaccine hesitancy among Jordanian older adults	23
(Scopus)	Dr. Malakah Malak	Factors Correlate acceptance of applying electronic health solution records among emergency nurses	24
(ISI)	Dr. Malakah Malak	Effect of incredible years autism spectrum and language delays(IY-ASD)program on stress and behavioral management skills among parents of	25

		children with autism spectrum disorder in Palestine	
(Scopus)	Dr. Domam Alomari	Student nurses' knowledge of and attitudes toward palliative care in the Middle East: an integrative review	26
(ISI)	Dr. Malakah Malak	Factors correlating with self-care behaviors among patients with coronary artery disease: a cross sectional study	27
(ISI)	Dr. Malakah Malak	Psychological reactions of Lebanese nurses to workplace violence in critical care units	28

(ISI)	Dr. Majdi Alzoubi	Incidence, knowledge, attitude and practice toward needle stick injury among nursing students in Saudi Arabia	29
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كلية الصيدلة

Scopus	Jordan Journal of Pharmaceutical Sciences	Zainab Lafi, Nour Aboalhajja, and Fatma Afifi	Ethnopharmacological importance of local flora in the traditional medicine of Jordan:(A mini review)	.1
ISI	Molecules	Nour H. Aboalhajja; Heba Syaj; Fatma Afifi; Suhair Sunoqrot; Eveen Al-Shalabi; Wamidh Talib	Chemical evaluation, in vitro and in vivo anticancer activity of Lavandula angustifolia grown in Jordan	.2
ISI	Journal of Herbal medicine	Oriana Awwad, Nour Aboalhajja, Ismail Abaza, Reem Abbassi, Mohammad Kailani, Hala Al-Jaber and Fatma U. Afifi	Chromatographic (LC-MS and GC-MS) and biologic (antiproliferative) evaluation of a naturalized plant in Jordan: Parkinsonia aculeata L.	.3

Scopus	Tropical Journal of Natural Product Research	Arwa R. Althaher	<i>In vitro</i> Assessment of Cytotoxic Potential of <i>Ajuga orientalis</i> L. Methanol Extract on MCF-7 and MRC-5 cells	.4
Scopus	The Scientific World Journal	Arwa R. Althaher	An Overview of Hormone-Sensitive Lipase (HSL)	.5
ISI	Applied Sciences	Arwa R. Althaher ,Andrea Mastinu	<i>Calamintha incana</i> (Sm) (.Helder :A New Phytoextract with In Vitro Antioxidant and Antidiabetic Action	.6
Scopus	Research Journal of Pharmacy and Technology	Arwa R. Althaher	<i>In vitro</i> Assessment of the Antidiabetic Activity of Aqueous and Ethanolic Extracts from the Aerial Parts of <i>Ajuga orientalis</i> L.	.7

ISI	Cellulose chemistry and technology	Ola Tarawneh, Alaa M Hammad, HADEEL ABU MAHFOUZ, Lama Hamadneh, Rania Hamed, Imad Hamadneh, Ameen Rasheed Al-Assi	DEVELOPMENT OF MUCOADHESIVE CELLULOSE DERIVATIVES BASED FILMS FOR THE TREATMENT OF VAGINAL CANDIDIASIS	.8
Scopus	Jordan Journal of Pharmaceutical Sciences	Ala A Alhusban, Samah A Ata, Lama A Hamadneh, Ola A Tarawneh, Haneen Abuzaid, Sokiyna Albustanji, Mohammad K Awad	Toxic Metals Transfer from Heating Coils to e-liquids: Safety Assessment of Popular e-cigarettes in Jordan	.9
ISI	Journal of Liquid Chromatography & Related Technologies	Ala A Alhusban, Lama A Hamadneh, Aliaa I Shallan, Ola A Tarawneh	Automated online monitoring of lactate and pyruvate in tamoxifen resistant MCF-7 cells using sequential-injection capillary electrophoresis with contactless	.10

			conductivity detection (SI-CE-C ⁴ D) and correlation with MCT1 and MCT4 genes expression	
ISI	Current Issues of Molecular Biology	Ali I. M. Ibrahim, Hassan Abul-Futouh, Laurance M. S. Bourghli, Mohammad Abu-Sini, Suhair Sunoqrot, Balqis Ikhmais, Vibhu Jha, Qusai Sarayrah, Dina H. Abulebdah and Worood H. Ismail	Design and Synthesis of Thionated Levofloxacin: Insights into a New Generation of Quinolones with Potential Therapeutic and Analytical Applications	.11
Scopus	Jordan Journal of Pharmaceutical Sciences	Buthaina Hussein, Laurance M. S. Bourghli, Muhammed Alzweiri, Yusuf Al-Hiari,	Synthesis and Biological Evaluation of Carbonic Anhydrase III and IX Inhibitors using Gas Chromatography with Modified pH-Sensitive Pellets	.12

		Mohammad Abu Sini, Soraya Alnabulsi, Batool Al-Ghwairi		
ISI	Letters in Applied Microbiology	I.S.I. Al-Adham , N. Jaber , M. Al-Remawi , F. Al-Akayleh , E. Al-Kaissi , A.S.A. Ali Agha , L.B. Fitzsimmons and P.J. Collier ¹	A review of the antimicrobial activity of thermodynamically stable microemulsions	.13
ISI	Letters in Applied Microbiology	F Al-Akayleh, RM Khalid, D Hawash, E Al- Kaissi, ISI Al-Adham, N Al-Muhtaseb, N Jaber, M Al-Remawi, PJ Collier	Antimicrobial potential of natural deep eutectic solvents	.14
ISI	Carbohydrate Polymers	Mayyas Al-Remawi, Nisrein Jaber, Amani Elsayed, Diya Alsafadi, Khalid Abu Salah	Stabilization of insulin using low molecular weight chitosan carbonate nanocarrier	.15
ISI	International Journal of Pharmaceutics	Amani Elsayed, Mayyas Al-Remawi, Nisrein Jaber, Khalid M Abu-Salah	Advances of buccal and oral delivery of insulin	.16

ISI	International Journal of Food Microbiology	Nisrein Jaber, Mayyas Al-Remawi	Evaluation of a novel water –soluble decanoic acid formulation as a fruit sanitizer	.17
ISI	Molecules	Bayan Alkhawaja, Faisal Al-Akayleh, Ashraf Al-Khateeb, Jehad Nasereddin, Bayan Y Ghanim, Albert Bolhuis, Nisrein Jaber, Mayyas Al-Remawi, Nidal A Qinna	Deep Eutectic Liquids as a Topical Vehicle for Tadalafil: Characterisation and Potential Wound Healing and Antimicrobial Activity	.18
ISI	International Journal of Pharmaceutics	Amani Elsayed, Nisrein Jaber, Mayyas Al-Remawi, Khalid Abu-Salah	From cell factories to patients: Stability challenges in biopharmaceuticals manufacturing and administration with mitigation strategies	.19

ISI	Drug Development and Industrial Pharmacy	Ramadan Al-Shdefat, Mohammad Hailat, Osama Y Alshogran	Solubilization of a novel antitumor drug ribociclib in water and ten different organic solvents at different temperatures	.20
ISI	Pharmaceuticals	Mohammad Hailat, Zainab Zakaraya, Israa Al-Ani, Osaid Al Meanazel, Ramadan Al-Shdefat, Md Khalid Anwer, Mohamed J Saadh, Wael Abu Dayyih	Pharmacokinetics and bioequivalence of two empagliflozin, with evaluation in healthy jordanian subjects under fasting and fed conditions	.21
Scopus	Analytica	Raneem Ahmad, Mohammad Hailat, Zainab Zakaraya, Osaid Al Meanazel, Wael Abu Dayyih	Development and Validation of an HPLC Method for the Determination of Meloxicam and Pantoprazole in a Combined Formulation	.22

ISI	Heliyon	Ali Jaber, Israa Al-Ani, Mohammad Hailat, Enas Daoud, Anmar Abu-Rumman, Zainab Zakaraya, Bashar JM Majeed, Osaid Al Meanazel, Wael Abu Dayyih	Esomeprazole and apixaban pharmacokinetic interactions in healthy rats	.23
Scopus	Journal of Applied Pharmaceutical Science	Wael Abu Dayyih, Mohammad Hailat, Tayel A Al Hujran, Mousa Magharbeh, Zainab Zakaraya, Lina Al Tamimi, Aseel M Aburumman, Hamza Abumansour, Riad Awad	Spectrophotometric analysis of empagliflozin tablets as SGLT2 inhibitors in pharmaceutical samples	.24
ISI	Separations	Mohammad Hailat, Israa Al-Ani, Zainab Zakareia, Ramadan Al-Shdefat, Osaid Al-Meanazel, Md Khalid Anwer, Mohammed Hamad, Walid Abu Rayyan, Riad Awad, Wael Abu Dayyih	Development and Validation of HPLC-DAD Method for the Determination of Favipiravir and Studying the Impact of Vitamin C on the Pharmacokinetics of COVID-19 Antiviral Drug Favipiravir	.25

Scopus	Journal of Population Therapeutics and Clinical Pharmacology	Zainab Z Zakaraya, Lina AlTamimi, Mohammad Hailat, Mousa N Ahmad, Nidal A Qinna, Bayan Y Ghanim, Mohamed J Saadh, Nisreen Al-Dmour, Wael Abu Dayyih	Ameliorative Effect of Selenium Yeast in combination with Pioglitazone on Diabetes outcomes in Streptozotocin-Induced Diabetes in Sprague-Dawley Rats	.26
ISI	European Review for Medical and Pharmacological Sciences	LN Tamimi, Z Zakaraya, M Hailat, W Abu Dayyih, E Daoud, A Abed, MJ Saadh, B Majeed, H Abumansour, A Aburumman, JM Majeed, M Hamad	Anti-diabetic effect of cotreatment with resveratrol and pioglitazone in diabetic rats	.27

ISI	Cold Spring Harbor Laboratory	Osaid Al Meanazel, Fars K Alanazi, Mohammad Hailat, Wael Abu Dayyih, Ramadan Al-Shdefat, Mohammad Abu Assab, Riad Awad, Israa Al-Ani, Faiyaz Shakeel, Doaa H Alshora, Mohamed A Ibrahim	Performing Roux-N Y Gastric Bypass on Rabbits: Perspective Report to Evaluate Body Weight Changes Food Consumption, And the Malabsorption of Vitamin D3	.28
ISI	Scientific Reports	Wael Abu Dayyih, Raghad Layth, Mohammad Hailat, Bayan Alkhawaja, Lina Al Tamimi, Zainab Zakaraya, Aseel Aburumman, Nisreen Al Dmour, Mohamed J Saadh, Hisham Al-Matubsi, Saed M Aldalaen	Effect of date molasses on levetiracetam pharmacokinetics in healthy rats	.29
Scopus	F1000Research	Bayan Alkhawaja, Anas Khaleel, Wael Abu Dayyih, Mohammed F Hamad, Rima Hajjo, Mohammad Hailat	Network biology of lapatinib resistance in different types of HER2-positive breast cancers informs the prioritization of the	.30

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Scopus	Journal of Population Therapeutics and Clinical Pharmacology	Rawan Karaki, Mohammad Hailat, Israa Al-Ani, Zainab Zakaraya, Lina N Tamimi, Sina M Matalqah, Rehan Al-Kasasbeh, Wael Abu Dayyih, Mohammed Hamad	Effects of Liquorice Juice on the Pharmacokinetics of Esomeprazole	.31
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Scopus	Jordan Journal of Pharmaceutical Sciences	Ibrahim Alabbadi Khalid Abdulrahman Alhrerat, Zainab Zakaraya, Wael Abu Dayyih, Mohammad Hailat, Mohammed Hamad	Decriminalization of Narcotics in Jordanian Legislation: Theory and Practice	.34
ISI	Processes	Wael Abu Dayyih, Ammar A Rasras, Mohammad Hailat, Rawan Karaki, Ahmad A. Deeb, Israa Al-Ani, Lina N AlTamimi, Zainab Zakaraya, Sina M Matalqah, Basim Mareekh, Enas Alkhader, Eyad SM Abu-Nameh	Determination of Five Phosphodiesterase-5 Inhibitors in Multiple Honey-Based Consumer Products by Chromatographic Technique in Rat Plasma	.35

ISI	Journal of Mass Spectrometry	Ramadan Alshdefat, Osama Y Alshogran, Mohammad Hailat	Simple and Rapid Quantification of Ribociclib in Rat Plasma by Protein Precipitation and LC-MS/MS: An Application to Pharmacokinetics of Ribociclib Nanoparticles in Rats	.36
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Scopus	Journal of Applied Pharmaceutical Science	Wael Abu Dayyih, Israa Al-Ani, Mohammad Hailat, Samia Milhem Alarman, Zainab Zakaraya, Mohammad Abu Assab, Enas Alkhader	Review of Grapefruit juice-drugs interactions mediated by intestinal CYP3A4 inhibition	.38
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Scopus	Asian Pacific Journal of Cancer Prevention	Ibrahim, R., Kasabri, V., Sunoqrot, S., Shalabi, D., Alkhateeb, R., Alhiari, Y.	<i>Preparation and Characterization of Rutin- Encapsulated Polymeric Micelles and Studies of Synergism with Bioactive Benzoic Acids and Triazolofluoroquinolones as Anticancer Nanomedicines</i>	.84
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ISI	EXCLI journal	Mohammad Alwahsh, Joviana Farhat, Shahd Talhouni, Lama Hamadneh, Roland Hergenröder	Bortezomib advanced mechanisms of action in multiple myeloma, solid and liquid tumors along with its novel therapeutic applications	.120
ISI	Journal of Experimental & Clinical Cancer Research	Magdalena Keller, Katharina Rohlf, Annika Glottbach, Gregor Leonhardt, Simon Lüke, Katharina Derksen, Özlem Demirci, Defne Göçener, Mohammad AlWahsh, Jörg Lambert, Cecilia Lindskog, Marcus Schmidt, Walburgis Brenner, Matthias Baumann, Eldar Zent, Mia- Lisa Zischinsky, Birte Hellwig, Katrin Madjar, Jörg Rahnenführer, Nina Overbeck, Jörg Reinders, Cristina Cadenas, Jan G Hengstler, Karolina Edlund, Rosemarie Marchan	Inhibiting the glycerophosphodiesterase ED13 in ER-HER2+ breast cancer cells resistant to HER2-targeted therapy reduces viability and tumour growth	.121

ISI	Polycyclic Aromatic Compounds	Majed Shtaiwi, Mohammad Alemleh, Kayed A Abu-Safieh, Bader A Salameh, Amneh Shtaiwi, Mohammad Alwahsh, Lama Hamadneh, Monther A Khanfar	Design, Synthesis, Crystal Structure, Biological Activity and Molecular Modeling of Novel Schiff Bases Derived from Chalcones and 5-Hydrazino-1,3-Dimethyl-4-Nitropyrazole as Anticancer Agents	.122
Scopus	Egyptian Journal of Chemistry	Nagwa M Abdelazeem, Mohammad Alwahsh, Shahd Talhouni, Lama Hamadneh, Atef G Hanna	Synthesis of some sulfonamide derivatives coupled with salicylamide or anisamide scaffold as potent PD-L1 inhibitors and their anti-proliferation assay	.123

Scopus	Pharmacy Practice	Anan S Jarab, Shrouq R Abu Heshmeh, Walid A Al-Qerem, Tareq L Mukattash, Rami Beiram, Salahdein Aburuz	Non-adherence to pharmacotherapy and its associated factors in outpatients with rheumatoid arthritis	.124
ISI	International Journal of Environmental Health Research	Anan S Jarab, Walid Al-Qerem, Nadeen Almomani, Shrouq Abu Heshmeh, Tareq L Mukattash, Yazid N Al Hamarneh	Colorectal cancer screening among the public: knowledge, attitudes, and the perceived barriers	.125
ISI	Frontiers in Cardiovascular Medicine	Anan S Jarab, Walid Al-Qerem, Hanan Hamam, Shrouq Abu Heshmeh, Tareq L Mukattash, Eman Alefishat	Factors Associated with Lipid Control in Outpatients with Heart Failure	.126
ISI	Vaccines	Walid Al-Qerem, Anan Jarab, Yara Shawabkeh, Jonathan Ling, Alaa	COVID-19 Vaccination Booster Dose: Knowledge, Practices, and Intention	.127

		Hammad, Badi'ah Alazab, Fawaz Alasmari	among Pregnant/Planning to Get Pregnant and Lactating Women	
ISI	European Review for Medical & Pharmacological Sciences	AS Jarab, W Al-Qerem, S Alqudah, SR ABU HESHMEH, TL Mukattash, R Beiram, S Aburuz	Glycemic control and its associated factors in hypertensive patients with type 2 diabetes.	.128
ISI	Journal of Asthma	Walid Al-Qerem, Anan Jarab, Shrouq R Abu Heshmeh, Jonathan Ling	Variables associated with asthma control among adult patients	.129
ISI	Journal of Sex and Marital Therapy	Walid Al-Qerem, Jonathan Ling, Judith Eberhardt	Validation of an Arabic version of the female version of The Sexual Dysfunctional Beliefs Questionnaire: a factor analysis study	.130

ISI	Health and Quality of Life Outcomes	Anan S Jarab, Hanan W Hamam, Walid A Al-Qerem, Shrouq R Abu Heshmeh, Tareq L Mukattash, Eman A Alefishat	Health-related quality of life and its associated factors among outpatients with heart failure: a cross-sectional study	.131
ISI	Journal of Human Hypertension	Anan S Jarab, Hanan W Hamam, Walid A Al-Qerem, Shrouq R Abu Heshmeh, Tareq L Mukattash	Blood pressure control and its associated factors among patients with heart failure in Jordan	.132
ISI	Vaccines	Walid Al-Qerem, Anan Jarab, Alaa Hammad, Fawaz Alasmari, Jonathan Ling, Enas Al-Zayadneh, Montaha Al-Iede, Badi'ah Alazab, Leen Hajeer	Knowledge, Attitudes, and Practices of Influenza Vaccination among Parents of Children with Asthma: A Cross-Sectional Study	.133

ISI	Patient preference and adherence	Anan S Jarab, Walid A Al-Qerem, Hanan Walid Hamam, Karem H Alzoubi, Shrouq R Abu Heshmeh, Tareq L Mukattash, Eman Alefishat	Medication Adherence and Its Associated Factors Among Outpatients with Heart Failure	.134
ISI	International Journal of Environmental Health Research	Anan S Jarab, Walid Al-Qerem, Karem H Alzoubi, Shrouq Abu Heshmeh, Ahmad nor Aldin Alzoubi, Tareq L Mukattash, Badi'ah Alazab, Yazid N Al Hamarneh	Public perception, satisfaction and expectations from community pharmacy services and the barriers to consult the community pharmacist	.135
Scopus	Electronic Journal of General Medicine	Anan S Jarab, Walid Al-Qerem, Salam Alqudah, Shrouq R Abu Heshmeh, Tareq L Mukattash, Karem H Alzoubi	Blood pressure control and its associated factors in patients with hypertension and type 2 diabetes	.136

Scopus	Journal of Applied pharmaceutical sciences	Anan S Jarab, Walid Al-Qerem, Tareq L Mukattash	Information technology in pharmacy practice: Barriers and utilization	.137
ISI	Journal of Asthma	Walid Al-Qerem, Anan Jarab, Yazun Jarrar, Enas Al-Zayadneh, Montaha Al-Iede, Jonathan Ling, Khawla Abu Hammour, Sally S. Alabdullah, Asal Saad Alabdullah, Yamam Al Refaie, Dina Lubbad, Ameen Alassi, Sarah Ibrahim, Mahmood Al-Ibadah, Abdel Qader Al Bawab	Correlation of vitamin D receptor genotypes, specific IgE levels and other variables with asthma control in children	.138
ISI	Saudi Pharmaceutical Journal	Anan S Jarab, Walid Al-Qerem, Karem H Alzoubi, Mohammad Tharf, Shrouq Abu Heshmeh, Ahmad Al-Azayzih, Tareq L Mukattash, Amal Akour, Yazid N Al Hamarneh	Patterns of drug-related problems and the services provided to optimize drug therapy in the community pharmacy setting	.139

Scopus	Electronic Journal of General Medicine	Anan S Jarab, Walid Al-Qerem, Shrouq Abu Heshmeh, Tareq L Mukattash, Rami Beiram, Salah Aburuz	Factors associated with poor health-related quality of life among patients with asthma: A hospital-based study from Jordan	.140
ISI	Saudi Pharmaceutical Journal	Anan S Jarab, Walid Al-Qerem, Karem H Alzoubi, Haneen Obeidat, Shrouq Abu Heshmeh, Tareq L Mukattash, Yara A Naser, Ahmad Al-Azayzih	Artificial intelligence in pharmacy practice: Attitude and willingness of the community pharmacists and the barriers for its implementation	.141
ISI	Vacunas	W Al-Qerem, AS Jarab, R Qarqaz, M Al Hayek	Attitudes of a sample of Jordanian young adults toward different available COVID-19 vaccines	.142

Scopus	Electronic Journal of General Medicine	AS Jarab, W Al-Qerem, SR Abu Heshmeh, KH Alzoubi, TL Mukattash, A Akour	Disease control and its associated factors in outpatients with rheumatoid arthritis.	.143
ISI	Saudi pharmaceutical Journal	Anan S Jarab, Walid Al-Qerem, Ghassan Shattat, Shrouq Abu Heshmeh, Tareq L Mukattash, Salah Aburuz	Adverse-drug reaction reporting by Pharm D students during hospital training	.144
ISI	Iraqi Journal of Hematology	Alaa Hussein Alsajri, Mazin Abbas Shubber, Walid Al-Qerem	Cross-allergic reactions between etoposide and penicillin in autologous bone marrow transplant patient	.145
ISI	Health Promotion International	Oriana Awwad, Suha A AlMuhaissen, Mohammad Al-Kharouf, Ayat Al-	Validation of the Arabic Version of the Health Literacy (HLS-Q12) Questionnaire in chronically ill patients	.146

		Nashwan, Mariam Abdeljalil, Walid Al-Qerem		
ISI	Saudi Pharmaceutical Journal	Walid Al-Qerem, Afnan Bargooth, Anan Jarab, Amal Akour, Shrouq Abu Heshmeh	Information sources, attitudes, and practices of Self-Medication by Jordanian patients: A cross-sectional study	.147
ISI	Plos one	Walid Al-Qerem, Abdel Qader Al Bawab, Osama Abusara, Nimer Alkhatib, Robert Horne	Validation of the Arabic version of medication adherence report scale questionnaire and beliefs about medication-specific questionnaire: A factor analysis study	.148
ISI	Journal of Cosmetic Dermatology	Mais M Saleh, Oriana Awwad, Mariam Hantash Abdel Jalil, Walid Al-Qerem, Maen Saleh, Yazan Al Thaher, Sharif Abdelghany	Correlation of skin cancer and actinic keratosis-related knowledge and sun protection behaviors and sunscreen use among a sample of Jordanian population	.149

ISI	Human vaccines & immunotherapeutics	Walid Al-Qerem ,Abdel Qader Al Bawab ,Alaa Hammad ,Tasneem Jaber ,Sawsan I Khdaire ,Haneen Kalloush ,Jonathan Ling ,Rami Mosleh	Parents' attitudes ,knowledge and practice towards vaccinating their children against COVID-19 :A cross-sectional study	.150
Scopus	Jordan Journal of Pharmaceutical Sciences	Walid Al-Qerem ,Mohammad Safar , Ibrahim Safar ,Mahmood Al-Ibadah	Identifying factors associated with increased rate of mortality of COVID-19 patients among Jordanian population :A multicenter case-controlled retrospective study	.151
ISI	Patient preference and adherence	Walid Al-Qerem ,Anan Jarab ,Alaa Hammad ,Alaa Hussein Alsajri ,Shadan Waleed Al-Hishma ,Jonathan Ling ,Asal Saad Alabdullah ,Ali Salama ,Rami Mosleh	Knowledge ,Attitudes ,and Practices of Adult Iraqi Population Towards COVID-19 Booster Dose :A Cross-Sectional Study	.152

ISI	PLOS ONE	Qosay Al-Balas, Shoroq Altawalbeh, Carmela Rinaldi,Ibtihal Ibrahim	The practice of defensive medicine among Jordanian physicians: A cross sectional study	.153
Scopus	Research Journal of Pharmacy and Technology	Rawan H Alsharedeh ,Nida Alshraiedeh ,Rawan Huwaitat , Mamduh Alqatan ,Esra O Taybeh , Amjad Z Alrosan ,Ghaith B Heila	Public perception of the COVID-19 pandemic:a national cross-sectional study	.154
Scopus	Journal Of Advanced Pharmacy Education And Research	Rawan H Alsharedeh ,Nida Alshraiedeh ,Rasha Bashatwah , Rawan Huwaitat ,Esra O Taybeh	Pharmacy students' overall knowledge and awareness regarding biofilms	.155
ISI	Current Issues in Molecular Biology	Maysaa M Saleh ,Duaa A Abuarqoub , Alaa M Hammad ,Md Shahadat Hossan ,Najneen Ahmed ,Nazneen Aslam ,Abdallah Y Naser ,Christopher J	In Vitro Anticancer Properties of Novel Bis-Triazoles	.156

		Moody ,Charles A Laughton ,Tracey D Bradshaw		
ISI	Disaster Medicine and Public Health Preparedness	Alaa M Hammad ,Walid Al-Qerem , Alaa Abu Zaid ,Sawsan I Khdair ,F Scott Hall	Misconceptions Related to COVID 19 Vaccines Among the Jordanian Population :Myth and Public Health	.157
ISI	Behavioural Brain Research	Alaa M Hammad ,Haneen Amawi ,F Scott Hall ,Amit K Tiwari ,Bahaa Al-Trad	Effect of amoxicillin/clavulanic acid in attenuating pregabalin-induced condition place preference	.158
ISI	Medicina	haneen Amawi ,Rasha M Arabyat , Sayer Al-Azzam ,Toqa AlZu'bi ,Hamza Tayseer U'wais ,Alaa M Hammad , Ruba Amawi ,Mohammad B Nusair	The Length of Hospital Stay of Patients with Venous Thromboembolism :A Cross-Sectional Study from Jordan	.159

ISI	Toxics	Alaa M Hammad ,Baraa Shawaqfeh , Suhair Hikmat ,Tariq Al-Qirim ,Lama Hamadneh ,Sameer Al-Kouz ,Mariam M Awad ,Frank S Hall	The Role of Vitamin E in Protecting against Oxidative Stress ,Inflammation , and the Neurotoxic Effects of Acute Paracetamol in Pregnant Female Rats	.160
Scopus	Asian Pacific Journal of Cancer Prevention	Mohammed Ameen Fouad Salih, Yusuf Al-Hiari, Violet Kasabri ,Rula Darwish, Hamza Abumansour, Laurance Bourghli, Sundus Al Alawi, and Rabab Albashiti	Newly Substituted Anilino- Fluoroquinolones with Proliferation Inhibition Potential against a Panel of Cancer Cell Lines	.161
ISI	Frontiers in Immunology	Shahd Talhouni ,Fadhil W ,Mongan NP ,Field L ,Hunter K ,Makhsous S , Maciel-Guerra A ,Kaur N , Nestarenkaite A ,Laurinavicius A ,	Activated tissue resident memory T-cells (CD8+CD103+CD39 (+uniquely predict survival in left sided "immune-hot" colorectal cancers	.162

		Willcox BE ,Dottorini T ,Spendlove I , Jackson AM ,Ilyas M and Ramage JM		
Scopus	Pharmacy Practice	Ensaf Almomani ,Wassan Jarrar , Amani Alhadid ,Lama Hamadneh , Ahmad Qablan ,and Huda Almomani.	Shedding light on pharmacists' knowledge of kidney stones' etiology and treatment.	.163
Scopus	Australian Journal of crop sciences (AJCS)	Bayan Al-Momany and Saeid Abu-Romman	Cucumber and salinity	.164
Scopus	Journal of Applied Pharmaceutical Science	M Odeh ,R Amer ,AQ Al Bawab ,MC Kearney ,KH Alzoubi	Pharmaceutical innovation: The gap between knowledge, attitude, and perceptions among pharmacists and final-year pharmacy students	.165

Scopus	Clinical Practice and Epidemiology in Mental Health	M Odeh ,HM Tailakh ,AQF Al Bawab , NA Elsahoryi ,KH Alzoubi	A Comprehensive Assessment of Knowledge, Attitudes, and Practicalities Related to Doping Agents use among Jordanians	.166
ISI	Journal of King Saud University - Science	Osama H. Abusara, Samar Bishtawi, Walid Al-Qerem, Wassan Jarrar, Lubna Al-Khareisha, and Sawsan I. Khdair	Pharmacists' knowledge, familiarity, and attitudes towards biosimilar drugs among practicing Jordanian pharmacists: A cross sectional study	.167
Scopus	Drug Metabolism and Personalized Therapy	Malek Zihlif, Osama H. Abusara, Walid Al-Qerem, Mahmood Al-Ibadah, Tareq M. Mahafza, Fatima M. Al-Akhras, and Naseem T. Mahafza	<i>CRHR1</i> polymorphism at rs242941, rs242940, and rs72834580: association of symptoms improvement with intranasal corticosteroids in allergic rhinitis Jordanian patients	.168

Scopus	Jordan Journal of Pharmaceutical Sciences	Worood H. Ismail, Osama H. Abusara, Balqis Ikhmais, Hassan Abul-Futouh, Suhair Sunoqrot, and Ali I. M. Ibrahim	Design, Synthesis, and Biological Activity of Coniferyl Aldehyde Derivatives as Potential Anticancer and Antioxidant Agents	.169
ISI	Current Issues in Molecular Biology	Osama H. Abusara, Ali I. M. Ibrahim, Hamzah Issa, Alaa M. Hammad, and Worood H. Ismail	In Vitro Evaluation of ALDH1A3-Affinic Compounds on Breast and Prostate Cancer Cell Lines as Single Treatments and in Combination with Doxorubicin	.170

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SDG 3.2 Number Graduating in Health Professions

3-2	Number Graduating in Health Professions		
Indicator #	Evidence		Type of Access
3-2-1	Proportion of graduates in health professions	21.21%	Public
	Number of graduates	2692	Public
	Number of graduates in health professions	571	Public

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SDG 3.3 Collaborations and Health Services

3.3.1 Current collaborations with health institutions

ZUJ made many collaborations with local, national, or global health institutions to improve students' outcomes academically and in health and well-being.

- Agreement with [smart](#) lab [click here](#)
- Agreement with Abu-Ghazaleh Global Foundation for Professional and Educational Services [click here](#)
- Agreement with Royal Health Awareness society [click here](#)
- Agreement with Suleyman Demirel University [click here](#)
- Agreement with The Association of Arab Universities [click here](#)
- Agreement with Al- Nahrain University and Al-Hadba university college in Iraq [click here](#)
- Agreement with research societies in Egypt(SRGE & electronic research institute) [click here](#)
- Agreement with Obour Higher Institute of Engineering and Technology in Egypt [click here](#)
- Agreement with Babel university in Iraq. [Click here](#)
- Agreement with Al Saeed university at Yamen. [Click here](#)
- Agreement with Innovation Dome for Consulting and Training. [Click here](#)

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- Agreement with ACDIMA Center for Bioequivalence and Pharmaceutical Studies Arab Company for Pharmaceutical Industries and Medical Appliances. [Click here](#)
- Agreement with Klaipėda University in Lithuania. [click here](#)
- Agreement with [Amman hospital](#) for training nursing and pharmacy students. [Click here](#)
- Agreement with Goethe-Institute to teach German language. [Click here](#)
- Agreement with First Paper & Cardboard Recycling Company. [Click here](#)
- Agreement with HelpAge International organization. [Click here](#)
- Agreement with King Abdallah II fund for development. [Click here](#)
- Agreement with The International Journal of Advances in Soft Computing and its Applications. [Click here](#)
- Agreement with IQVIA for research and exchange of experiences and information. [Click here](#)
- Agreement with King Hussein Cancer Foundation. [Click here](#)
- Agreement with Aaltinbaş University from Turkia. [Click here](#)
- Agreement with HashTechs. [Click here](#)
- Agreement with Urel Vlaico University in Romania. [Click here](#)

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SDG 3.3.2 Health outreach programmes

Al-Zaytoonah University of Jordan is actively involved in health outreach initiatives as part of its community service commitment and support for the United Nations Sustainable Development Goals (SDGs). These programs, often conducted by the Faculty of Nursing and other health-related faculties, include health education, public health awareness campaigns, and medical assistance aimed at improving the well-being of local communities.

The Faculty of Nursing, established to address healthcare needs in Jordan, is central to these outreach efforts. Through initiatives such as community health workshops, wellness clinics, and preventive health campaigns, the faculty provides valuable services to underserved areas. This outreach often targets specific health issues like chronic diseases, maternal and child health, and mental health, aiming to educate the community on best practices for health and wellness.

Additionally, the university collaborates with local organizations and healthcare providers to enhance its outreach and amplify the impact of its health programs. This cooperation is supported by the university's Consultations and Community Service Center, which focuses on extending the university's expertise and services to the broader community ([click here](#))

To promote school health education and provide a quality learning environment nursing students conducted the following activities.

- Awareness lectures about preventing the spread of COVID-19 by nursing and pharmacy students. [click here](#)
- Special committee responsible for “[road map of returning](#)” that was established due to higher education ministry legislation to deal with CORONA cases among staff and students in cooperation with the medical health center in our university nursing faculty. [click here](#)

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- Medical day titled [“our health between our hands”](#) in Amman, health education included healthy nutrition, in body device, vision testing, screening for Diabetes Mellitus and hypertension, finally about breast cancer physical exam by nursing faculty and students.
- Health day titled” [dangerous square](#)” in our university discussed four critical issues (reproductive health- mental health- chronic illnesses- life styles- sexual health) by nursing faculty and students. [click here](#)
- [Medical day](#) at Tafila city (cooperation between nursing and pharmacy faculty with public and private physicians).[click here](#)
- Lectures and workshops about public safety principles due to CORONA virus and distributing equipment such as gloves-facemasks- hand hygiene ...etc by nursing students and faculty. [click here](#)
- TV meetings at Jordanian national TV from pharmacy staff teaching public about CORONA. [Click here](#)
- Educational lectures in public schools such as [in Al-Gazeera schools](#) from pharmacy faculty about CORONA.
- Educational lectures by pharmacy faculty and students in specialty hospital [about chronic illness's drugs.](#)
- The Counseling and Community Service Center in our university established to conduct training courses to students, staff and local society about many topics and curricular and extracurricular activities, also providing consultations and consultants ([annual report](#)).[activities](#) [activities 2](#) [activities 3](#) [activities 4](#) [activities 5](#)
- Health day with children with special needs in schools titled” [express in colors](#)” to draw murals though nursing faculty and students. [Click here](#)
- Awareness activity about preservation of [green environment](#) inside university by nursing students.
- Continue covid-19 vaccine distribution on students and staff. [Click here](#)

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- First aid activity in Queen Noor Park - Northern Hashmi [activity report](#) [click here](#)
- The Faculty of Nursing organized in cooperation with a number of college students a healthy day on the occasion of World Diabetes Day in the Greater Amman Municipality building, Badr Al-Jadiyya area - Wadi Al-Seer on 11/24/2022 [activity report](#) [click here](#)
- The College of Nursing, in cooperation with a number of community nursing students organized a lecture on diseases related to the heart, lungs and nervous system, in addition to family disintegration and bullying, at the Science Fair - Al Fikr Al Tarbawi School - Al Yasmeen Suburb. The lecture targeted the school's students and staff [click here](#) [click here](#)
- The Faculty of Nursing / Activities and Career Guidance Committee in cooperation with a number of mental health nursing students a purposeful educational play about the importance of adhering to medication, on Wednesday 12/28/2022. The target group was mental health patients at the National Center for Mental Health in the Fuheis area [click here](#)
- The Faculty of Nursing at Al-Zaytoonah University of Jordan / Activities and Career Guidance Committee organized an entertainment day for the elderly at the guest house for the elderly (GOLDEN AGE HOME) in Juwaida area [click here](#), [click here](#), [click here](#)
- The College of Nursing, in partnership with the Department of Facilities and Social Programs in the Greater Amman Municipality, is holding a series of health lectures [click here](#), [click here](#)
- Faculty of Nursing, prepared for an extracurricular activity for these children, where they enjoyed many activities and events that brought joy to their hearts and gave them the feeling of everyone around them in a friendly and child-friendly atmosphere. A health awareness lecture entitled a healthy diet for children was presented [click here](#)
- Visit of an American Scientist to the College of Nursing at Al-Zaytoonah University of Jordan <https://www.instagram.com/alzaytoonahuniversity/p/C7gmeMnOhoy/>

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- The Faculty of Nursing at Al-Zaytoonah University of Jordan, in cooperation with the King Hussein Cancer Foundation, organized training workshops entitled "community heart saver training for nursing students" for nursing students and clinical training supervisors <https://www.ammonnews.net/article/727157>
- The Faculty of Nursing at Al-Zaytoonah University of Jordan organized a training course on occupational health and the correct methods of implementing first aid to educate the workers working at the university [click here](#)

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SDG 3.3.3 Shared sports facilities

Al-Zaytoonah University offers a range of shared sports facilities and programs that support both student fitness and community engagement. These facilities include fully equipped sports halls and fields that are accessible for various activities such as training, team sports, and individual fitness exercises. The university actively organizes intercollegiate championships and partners with other Jordanian sports teams, further supporting students' athletic development. Additionally, the university hosts seminars and training courses for sports professionals and collaborates with sports associations for referee and trainer development.

To foster a supportive athletic environment, Al-Zaytoonah University has made these facilities available for local community use, aligning with their commitment to sustainable development goals (SDGs) and community service. This accessibility allows both students and local residents to benefit from a healthy, active lifestyle on campus, enhancing the university's role as a community hub for sports and wellness activities.

Sport Activities –

1. تحت رعاية الأستاذ الدكتور رئيس الجامعة الأكرم

[الزيتونة بطلا لبطولة وزارة الشباب 2022 لكرة القدم الخماسية](#)

حصل فريق جامعة الزيتونة على كأس بطولة وزارة الشباب صيف الاردن 2022 على مستوى لواء ناعور لخماسي كرة القدم، بعد تفوقه في المباراة النهائية على فريق الخيول البوركينية بنتيجة 6 أهداف مقابل هدفين في المباراة التي أقيمت على ملعب جامعة الزيتونة الاردنية بحضور عميد شؤون الطلبة الدكتور خلدون الحباشنة ورئيس بلدية ناعور مزيد المساعفة ورئيس مركز شباب ناعور السيد هشام الحوامدة وعدد من الجماهير.

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2. تحت رعاية الاستاذ الدكتور رئيس الجامعة الأكرم

بطولة جامعة الزيتونة الاردنية المفتوحة للياقة البدنية ورفع الاثقال

نظمت شعبة النشاط الرياضي في عمادة شؤون الطلبة في جامعة الزيتونة الأردنية بطولة الجامعة المفتوحة للياقة البدنية ورفع الأثقال.

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3. تحت رعاية الاستاذ الدكتور رئيس الجامعة الأكرم

مشاركة في التراماراتون البحر الميت 2022

شاركت جامعة الزيتونة الأردنية في التراماراتون البحر الميت والذي نظمته الجمعية الأردنية للماراتونات اركض للأردن تحت شعار اركض في اخفض نقطة في العالم.



4. تحت رعاية الاستاذ الدكتور رئيس الجامعة الأكرم

مشاركة جامعة الزيتونة في ماراثون عمان

شاركت جامعة الزيتونة الأردنية في ماراثون عمان والذي نظمته الجمعية الأردنية للماراثونات (أركض للأردن) الذي انطلق من المدينة الرياضية باتجاه نقطة النهاية داخل المدرج الروماني في وسط البلد.



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5. تحت رعاية الاستاذ الدكتور رئيس الجامعة الأكرم

كلية العلوم والتكنولوجيا تظفر ببطولة كليات جامعة الزيتونة الاردنية

مندوباً عن الأستاذ الدكتور محمد المجالي رئيس الجامعة، رعى الأستاذ الدكتور طارق القرم نائب الرئيس وبحضور الدكتور خلدون الحباشنة عميد شؤون الطلبة وعميد كلية الصيدلة الدكتور عبدالقادر البواب وعميد كلية العلوم والتكنولوجيا المعلومات الدكتور امجد زرقات المباراة النهائية لبطولة كليات الجامعة.



6. تحت رعاية الاستاذ الدكتور رئيس الجامعة الأكرم

سباق اختراق الضاحية

نظمت عمادة شؤون الطلبة / شعبة النشاط الرياضي في جامعة الزيتونة الأردنية سباق اختراق الضاحية، حيث شهد السباق مشاركة أكثر من 70 متسابقاً لمسافة 4 كيلومترات للطلاب و3 كيلومترات للطالبات، وأعطى إشارة الانطلاق عميد شؤون الطلبة الدكتور خلدون الحباشنة من أمام مبنى القبول والتسجيل باتجاه خط النهاية مقابل مبنى عمادة شؤون الطلبة



7. تحت رعاية الاستاذ الدكتور رئيس الجامعة الأكرم

نهائي بطولة جامعة الزيتونة لبطولة كرة السلة

نهائي بطولة جامعة الزيتونة الأردنية لبطولة كرة السلة (3x3) طلاب وطالبات
توج نائب رئيس جامعة الزيتونة الأردنية الدكتور طارق القرم الفرق الفائزة في بطولة كرة السلة (3x3)
طلاب وطالبات، بحضور عميد شؤون الطلبة الدكتور خلدون حباشنة ونائب العميد الدكتور بسام عبد
الرازق .

Good Health and Well-being



8. تحت رعاية الاستاذ الدكتور رئيس الجامعة الأكرم

[كرة السلة مع فريق فلسطيني](#)

الزيتونة تستضيف وفد نادي رمانة الرياضي لكرة السلة من (دولة فلسطين) مندوباً عن رئيس جامعة الزيتونة الاردنية، رعى عميد شؤون الطلبة الدكتور منير العفيشات، مباراة ودية في كرة السلة بين فريق جامعة الزيتونة الاردنية وفريق نادي اتحاد رمانة الرياضي من دولة فلسطين الذي نظمتة عمادة شؤون الطلبة/ شعبة النشاط الرياضي، بحضور رئيس نادي رمانة الرياضي السيد بسام صبيحات وعدد من أعضاء النادي وأعضاء من الهيئتين التدريسية والإدارية والطلبة الجامعة.



9. تحت رعاية الاستاذ الدكتور رئيس الجامعة الأكرم

[الزيتونة الأردنية تنظم يوما رياضيا بمناسبة عيد الاستقلال](#)

نظمت شعبة النشاط الرياضي التابعة لعمادة شؤون الطلبة في جامعة الزيتونة الأردنية يوما رياضيا بمناسبة عيد الاستقلال، حيث استضافت فريق الأمن العام لخماسي كرة القدم وفريق نشامى للعروض القتالية.



Good Health and Well-being

10. تحت رعاية الاستاذ الدكتور رئيس الجامعة الأكرم

عرض ألعاب الدفاع عن النفس / نادي النشامى

تقيم عمادة شؤون الطلبة / شعبة النشاط الرياضي احتفالية رياضية بمناسبة عيد الاستقلال عرض ألعاب الدفاع عن النفس / نادي النشامى.
مباراة كرة قدم بين فريق جامعة الزيتونة x فريق الدرك.



11. تحت رعاية الاستاذ الدكتور رئيس الجامعة الأكرم

بطولة كليات الجامعة لكرة القدم

توج رئيس جامعة الزيتونة الأردنية الدكتور محمد المجالي فريق كلية الأعمال بعد فوزه على فريق كلية العلوم والتكنولوجيا في بطولة كليات الجامعة لكرة القدم.



12

12. تحت رعاية الاستاذ الدكتور رئيس الجامعة الأكرم

[انطلاق بطولة كليات جامعة الزيتونة لخماسي كرة القدم](#)

شهدت بطولة كليات الجامعة لخماسي كرة القدم منافسة قوية وحضور جماهيري كبير خاصة مباراة كلية الصيدلة وكلية الآداب التي سيطر فيها فريق الصيدلة على مجريات المباراة.



Good Health and Well-being

- The football championship for faculties at the university level started on Wednesday 11/16/2022, teams were formed to compete for the championship [click here](#), [click here](#)

Good Health and Well-being

SDG 3. 3.4 Free sexual health care for students

- Al-Zaytoonah University of Jordan actively supports student health and well-being, including providing access to sexual health resources. Through its Student Affairs and Medical Centers, the university offers general health services which may include sexual health counseling, preventive care, and guidance on related issues. This health support is aligned with the university's emphasis on sustainable development goals, including health and well-being for all students. For more details or specific services, students are advised to contact the university's Medical Center or Deanship of Student Affairs.
- ZUJ Provide students' education about sexual and reproductive problems by having access to health-care services and information especially through university health center and through physicians. Each year ZUJ conducts through nursing faculty a health awareness day about breast cancer in October (Pinky month).
- Faculty participate in workshops such as "[universities role in disseminate health messages](#)" which discussed breast cancer awareness program
- Conduct a healthy awareness day about women health in Al Basheer hospital ([Maternal and gynecological department](#))
- Agreements with organizations that work on these issue as [Royal Health Awareness Society](#)
- Conducting research related to breast cancer through pharmacy faculty by funding from the [agreement with King Abdallah II Fund for development](#)
- Medical day titled "[our health between our hands](#)" in Amman, health education included healthy nutrition, in body device, vision testing, screening for Diabetes Mellites and hypertension, finally about breast cancer physical exam and cervical cancer screening by nursing faculty and students.
- A healthy day called "[dangerous square](#)" inside university, one of the hot topics was about reproductive health for students.

Good Health and Well-being

- Faculty of Nursing had specific discussion in some courses about sexual issues and the effect of some chronic illnesses on sexual health of those patients. Additionally, faculty members conducted several research studies related to sexual issues [click here](#)
- Faculty members in Faculty of Nursing encourage students in master program to study sexual health problems among chronically ill patients [click here](#)

Good Health and Well-being

SDG 3.3.5 Mental health support

- ZUJ provides free mental health support for students, faculty, and staff. In addition to establishing a student psychological counselling center, ZUJ has also provided community psychological counselling. We integrate the professional resources of the school's Counseling and Consultation Department and establish referral and cooperative relations with community units (including hospitals, social units). Also apply preventive counselling measures, such as life education counselling, gender equality education counselling, career counselling, study counselling, counselling for foreign students, stress adjustment, peer counselling, mental health promotion by instructors, etc. Every year this department present a full report of number of cases and type of help provided to staff and students. Special forms for counselling and interventions are available. This department is run by a professor in Nursing Faculty specialized in mental health.
- [Department of Mental Health Support](#) .
- Announcements from Mental Health Department for students (papers and online on ZUJ website and ZUJ FACEBOOK)
[Click here](#) [click here](#) [click here](#)
- [Statistics](#) for the number of university students who had mental/psychological advice and counseling
- University [Policies](#) regarding Mental Health Support
- Mental Health Support [Reports](#)
- [Vision](#), mission and goals of mental health department
- Some of the activities conducted by mental health department
My plan as a university student [Click here](#)
About drugs and road traffic accidents [click here](#)

Good Health and Well-being

المهام الرئيسية للشعبة:

يقدم خدمات الارشاد النفسي للطلبة وأعضاء الهيئتين التدريسية والادارية مجاناً يومياً من الساعة 8:00 صباحاً ولغاية 4:00 مساءً بحيث تعامل اي حالة بسرية تامة. وذلك من خلال مكتب الارشاد النفسي الموجود في مبنى عمادة شؤون الطلبة مقابل المركز الصحي للجامعة.

متابعة ملف الخدمات الطلابية في الجامعة



Good Health and Well-being

SDG 3.3.6 Smoke-free policy

Al-Zaytoonah University in Jordan has implemented a smoke-free policy aimed at promoting a healthier environment for students, staff, and visitors. Here are some key aspects typically associated with such policies:

Overview of Smoke-Free Policies

Objectives:

- To reduce exposure to secondhand smoke.
- To encourage smokers to quit and to promote public health.
- To create a cleaner, healthier campus environment.

Scope of the Policy:

- Typically covers all indoor areas, including classrooms, offices, and common areas.
- May extend to outdoor spaces, particularly near entrances and high-traffic areas.

Enforcement:

- The policy often includes guidelines for enforcement and reporting violations, which can involve staff monitoring and community reporting mechanisms.

Good Health and Well-being

- Educational campaigns may accompany the policy to raise awareness and promote compliance.

Support for Smokers:

The university might offer resources for smoking cessation, such as counseling services, workshops, or access to nicotine replacement therapies.

Health Education:

Initiatives to educate the university community about the risks associated with smoking and the benefits of a smoke-free environment.

Importance of Smoke-Free Policies

Public Health: Reducing smoking rates and secondhand smoke exposure can lead to significant health benefits for the entire community.

Educational Environment: A smoke-free campus promotes a positive learning environment and enhances the overall quality of life for students and staff.

Cultural Impact: Such policies can contribute to changing societal attitudes towards smoking, particularly among young people.

Further Information

For the most accurate and specific details about the smoke-free policy at Al-Zaytoonah University, you might consider:

Good Health and Well-being

Visiting the University Website: Look for sections on campus health, policies, or student services.

Contacting University Administration: Reach out to health services or student affairs departments for direct information.

Reviewing University Publications: Check for newsletters or reports that might highlight health initiatives, including the smoke-free policy.

- ZUJ responds to the government's comprehensive smoking ban policy, maintains the physical health of the faculty and staff of the school, and creates a smoke-free, healthy, and fresh campus environment. We are a smoke-free campus.
- A smoke prevention and control work organization were established. Complete smoking cessation education is provided to help smokers successfully quit smoking and stay away from smoking hazards.
- [University Instruction](#) regarding smoking forbidden .
- Announcements and instructions for NO Smoking inside University Campus.

Picture [1](#) [2](#) [3](#) [4](#) [5](#)

- [Training](#) for university staff regarding distinguishers by Civil Defense.
- [Special places for smokers](#) .
- [Distinguishers](#) distributed all over the campus of the university .
- Fire Exits [1](#) [2](#) [3](#) .
- Fire Alarms [1](#) [2](#) [3](#) .

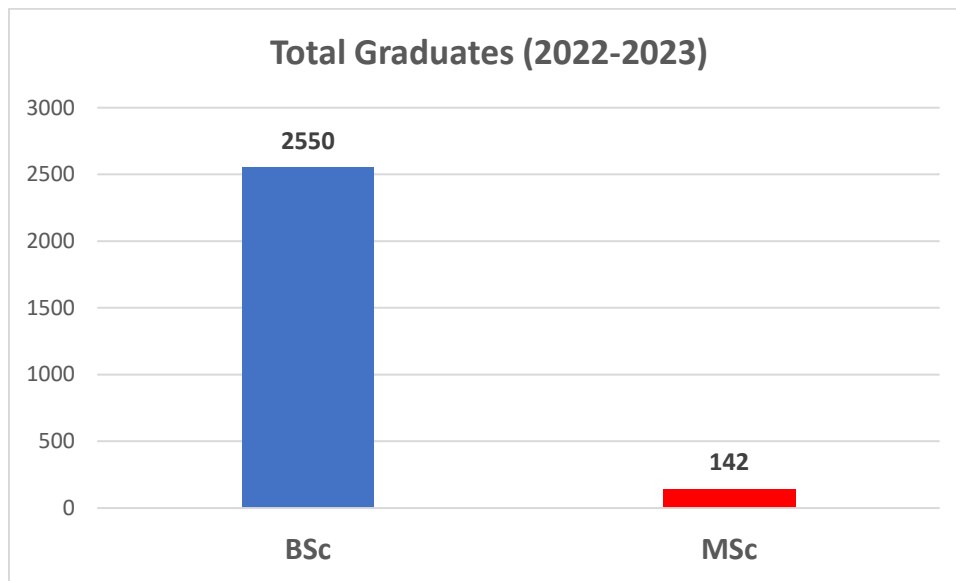
Good Health and Well-being

6500	18	2022/12/6	الصيدلة / الصيدلة	د. نمر الخطيب, د. آلاء سعيد محمد الخطيب, د. حمزة محمد علي ابومنصور	العوائد الصحية والاقتصادية الوطنية المتوقعة من برامج الاقلاع عن التدخين في الأردن	18 / 10 / 29 -2022 / 202321
15000	18	2023/4/6	الصيدلة / الصيدلة	د. آلاء محمود احمد حماد, د. سهير زياد عبد الحميد سنقرط, د. سوسن ابراهيم محمد خضير	دراسة مقارنة لتأثيرات التعرض لمنتجات التبغ المختلفة على الأعضاء المختلفة في الجردان	/ 17 / 58 / 2023-2022 / 21
9750	12	2023/4/6	العلوم وتكنولوجيا المعلومات / الأمن السيبراني	د. عدنان احمد عبد الفتاح حنيف, د. ثامر أحمد موسى الرواشدة	نظام تتبع الطلاب والتعرف عليهم للتنبؤ المخالفات داخل كلية العلوم وتكنولوجيا المعلومات	7 / 17 / 33 / 2023-2022 / 21

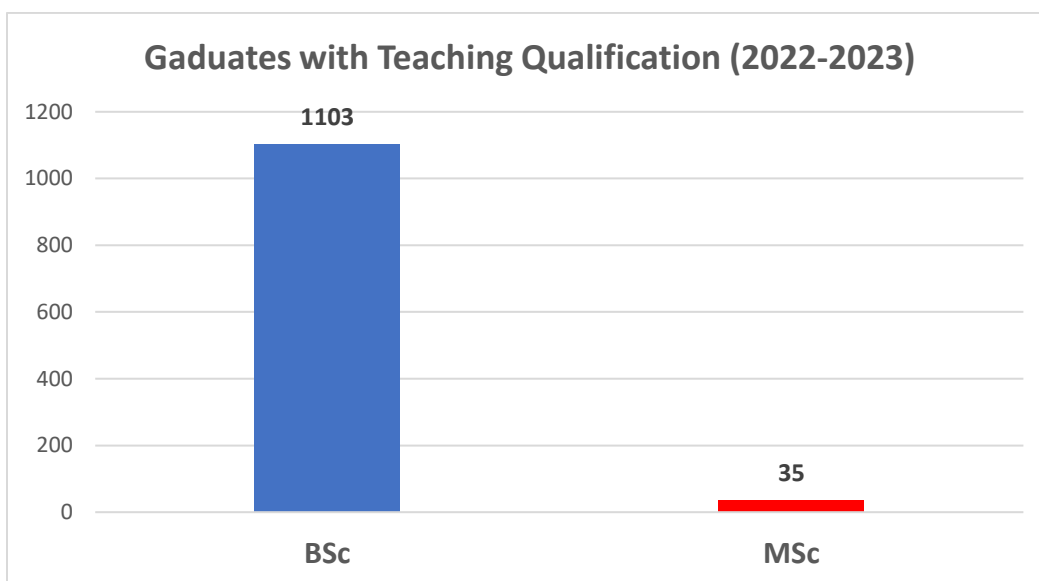
Shalan N, Jarrar Y, Nasser W, et al. Assessment the Combining Medications with Tobacco during Water-Pipe Smoking among the University Students in Jordan. *Asian Pac J Cancer Prev.* 2024;25(9):3311-3314. Published 2024 Sep 1. doi:10.31557/APJCP.2024.25.9.3311

SDG 4.2.1 Proportion of graduates with teaching qualification

The figure shows the total number of graduates for the BSc and MSc degrees:



The figure below shows the total number of graduate students with relevant qualification for teaching. In 2022-2023 1138 obtained teacher qualifications.



SDG 4.3 Lifelong learning measures**SDG 4.3.1 Public resources (lifelong learning)**

ZUJ offers numerous free educational resources to non-students. Digital learning courses and library services are among them. In addition, we host a variety of public lectures and activities.

- Digital learning courses: The list below shows a number of free online courses and channels for students and non-student offered by ZUJ.
 - Public educational channels:
 - [ProgLix channel](#)
 - [Dr. Khalid Jaber](#)
 - [Dr. Akram abed al qader](#)
 - [Dr. Basem Alokush](#)
 - [Dr. Mohammad Abdallah](#)
 - [Dr. Ahmad Manasrah \(Engineering\)](#)
 - Public educational courses and tutorials
 - [Math \(Calculus\)](#)
 - [E-Learning](#)
 - [Web Design](#)
 - ZUJ Youtube channel for offering public lectures and workshop hosted on campus
 - [ZUJ YouTube Channel](#)
 - The center of counseling and community service offers a number of free and paid degrees, courses, tutorials and workshops. The list of these activities can be found in their [Website](#).



SDG 4

Quality Education



جامعة الزيتونة الأردنية
Al-Zaytoonah University of Jordan



Library: The library follows its guidelines for managing visiting and reading non-ZUJ guests. Guests can enter the library for free. They can use our library's extensive collection of resources and services, including books, electronic databases, e-books, periodicals, newspapers, and audio-visual materials. [Click Here \(Link\)](#)

SDG 4.3 Lifelong learning measures**SDG 4.3.2 Public events (lifelong learning)**

ZUJ not only provides educational resources for faculty and students on campus, but it also organizes public lectures and community education activities that are open to the public on a regular basis. We hold activities in which members of the community and the general public can participate based on their own training and learning requirements.

The list below shows public regular events and lectures organized by ZUJ for public. Some of the events are online and others are in person.

- [Relationships formation in Universities](#)
- [Bitcoin and cryptocurrency](#)
- [Updates about the current covid-19](#)
- [Antiquities in Jordan during the centenary](#)
- [Architectural and urban development in Jordan during the centenary 1](#)
- [Architectural and urban development in Jordan during the centenary 2](#)
- [Architectural and urban development in Jordan during the centenary 3](#)
- [Architectural and urban development in Jordan during the centenary 4](#)
- [Architectural and urban development in Jordan during the centenary 5](#)
- [Public health workshop](#)
- [Mitigation of the effects of the Corona pandemic on the national economy](#)
- [Social networking and media awareness for girls in secondary schools](#)
- [The Characteristics and Importance of University Life](#)
- [Fulfill Your Dream](#)
- [Lecture to raise awareness on Cancer](#)

Some irregular public events are held by ZUJ. Some of which:

- [Public Workshop](#) by National Initiative for Media and Information Literacy 2020-2023 for training faculty members of Jordan.



- ["Danger Square"](#): Health awareness initiative in cooperation with the Royal Society for Health Awareness. The initiative aims to increase awareness among young people on many priority health topics. The initiative included several important topics, namely reproductive health, mental health, chronic diseases, and healthy lifestyles.



SDG 4

Quality Education

- Free hand sketch events: this event was open for the public, all materials were provided by ZUJ.



- Sport events: ZUJ organizes sport events (Football and martial arts activities for school students)



SDG 4.3 Lifelong learning measures

SDG 4.3.3 Vocational training events (lifelong learning)

ZUJ has many vocational training events that are held every year. Some of them are regular and other are occasional.

1. [Regular vocational training for Arab students](#): In this training a number of Arab students from different countries are trained during the summer vacation at ZUJ. The training is done for different majors such as engineering training, technology training and others. For more information [Click Here](#).



SDG 4

Quality Education



2. A number of training events are held at ZUJ irregularly, these training events are proposed based on the general public recommendations and sometimes based on the local market needs. For example, the faculty of architecture and design held a series of training workshops on the issue of architecture and urban development in Jordan.

- [Architectural and urban development in Jordan during the centenary 1](#)
- [Architectural and urban development in Jordan during the centenary 2](#)
- [Architectural and urban development in Jordan during the centenary 3](#)
- [Architectural and urban development in Jordan during the centenary 4](#)
- [Architectural and urban development in Jordan during the centenary 5](#)

Another example is holding a training workshop on the impact and risks of social media and networking in the local community especially the school girls from age 14-18. For the full information [Click Here](#).



Another workshop conducted by the faculty of Architecture and design on [Outfit design](#).



ZUJ جامعة الزيتونة الأردنية
Al-Zaytoonah University of Jordan

كلية العمارة والتصميم بالتعاون مع
مركز الاستشارات وخدمة المجتمع وأكاديمية نهر الأردن
ورشة عمل تدريبية مجانية بعنوان
(تصميم فستان بساعة)
بالتعاون مع دار يا جودا لتصميم الأزياء
أ. اسماعيل جمعة و أ. كامل الحنبلي

يوم الخميس 2022/01/06
من الساعة 10:00 _ 13:00

مركز الاستشارات وخدمة المجتمع
06-4291511 فربي 438 - 250-435 / 07899557443

SDG 4.3 Lifelong learning measures

SDG 4.3.3 Education outreach activities beyond campus

ZUJ has many educational outreach events that are held every year. ZUJ believes that education and learning should be transferred to the different Jordanian community segments. In what follows a number of events that are organized outside ZUJ.

1. Dr. Maysoon Qouseni from the Science and IT faculty conducted a workshop and hands on how to engage orphan on with their community. The workshop took place on Beit [Al Khair for orphan care association](#) in the city of Zarqa.





2. Dr. Mohammad Abdallah the director of the technology transfer office conducted a training workshop on the impact and risks of social media and networking on the local community especially the school girls from age 14-18. The event took place at secondary school in Amman. For more information [Click Here.](#)





3. Dr. Ahmad Manasrah and Dr. Mohammad Masoud from the Engineering faculty participated as a judging committee in the Space of Science Competition held by The Islamic Science Schools. For more information [Click Here](#).



4. The Faculty of Arts at Al-Zaytoonah University of Jordan organized a cultural, health and social day in cooperation with the Jordan International Organization to Help the Elderly in Jabal Al-Weibdeh. This day included many health activities, "measuring body components, consulting a

nutritionist, measuring bone density, measuring blood sugar and blood pressure, in addition to health education about chronic diseases that affect the elderly and the distribution of health publications.”. For more information [Click Here.](#)



5. The Deanship of Student Affairs / Division of Cultural and Social Activities at Al-Zaytoonah University of Jordan, in cooperation with the Public Service Club and the Warm Jordan Initiative, organized an open charitable day event at Maghair Muhanna Elementary Mixed School in Liwa Al-Muwaqar. For more information [Click Here.](#)



SDG 4.3 Lifelong learning measures

SDG 4.3.5 Lifelong learning access policy

ZUJ has a policy that ensures that all people, regardless of ethnicity, religion, disability, or gender, can participate and access activities in SDG 4.3. The following provides a list of issues that ensure the lifelong learning access policy.

1. Bylaws, policies and regulations that ensure students with different backgrounds, ethnicity, religion and gender can access and participate in different lifelong activities.
 - a. [Jordanian University Bylaws](#)
 - b. [Higher Education Bylaws](#)
 - c. [General admission Policy for Universities and Colleges](#)
 - d. [Accreditation Bylaws](#)
 - e. [Program Eligibility Requirements](#)
 - f. [Bylaws of the Association of Arab Universities](#)
2. ZUJ organizes annually a welcoming reception for students of different nationalities showing them the hospitality of the Jordanian community and ensuring them to have positive and engaging role in the university and the general community. For more information [Click Here](#).



3. ZUJ provides tuition and miscellaneous fee reductions, school fund subsidies, and related learning guidance for relatively disadvantaged groups to protect their rights to study. In addition to providing opportunities to study, ZUJ also plans to counsel students' learning process in all aspects during their studies, to ensure that students can study and complete their studies with peace of mind. At the same time, we provide equal education opportunities to promote the vertical mobility of social classes. For example, a total financial assistance of 6,549,272.300 (JD) equals 923,745.86 (USD)

during the academic year 2020/2021 was awarded to local and foreign students. Moreover, 10000 out of 10000 students get

- fees discount
- free transportation
- free medical insurance
- free access to sports halls and grounds

for more information [Click Here](#), and also [Click Here](#).

4. Different scholarships are offered to Syrian refugees to continue their higher studies.



The screenshot shows a web browser window with the URL zu.edu.jo/fro/office-ads/?lang=ar. The page is in Arabic and features a green header with navigation links. The main content area has a white background with a green border. It contains the following text:

• المنح الدراسية متاحة لمجموعة مختارة من: دورات قصيرة (مدتها من أسبوعين إلى 12 شهراً) : برامج الماجستير (من 12 إلى 24 شهراً).

للتعريف على جميع المعلومات والتفاصيل حول الدورات والمعايير والمواعيد النهائية وكيفية التقديم ، يرجى زيارة الرابط التالي:

<https://www.studyinholland.nl/finances/orange-knowledge-programme/about-this-scholarship>

المفوضية السامية لشؤون اللاجئين في الاردن

اعلان منحة للطلبة السوريين

تاريخ الاعلان: 08/12/2020

تعلم المفوضية السامية لشؤون اللاجئين في الاردن عن فرصة لتكملة الدراسات العليا، ورشات عمل للتأهيل لسوق العمل

للمزيد من المعلومات ومعرفة شروط المشاركة يرجى الدخول الى الرابط التالي:

5. Student exchange program with different countries under the umbrella of different project such as Erasmus+ program. Any student regarding his/her ethnicity, gender, religion has the same chance to participate in these exchange programs. For more information [Click Here](#).

SDG 4.4.1 Proportion of first-generation students

Number of students enrolled in BSc's degrees in 2022-2023: 4465.

The number of first-generation students among the number of enrolled BSc's students in 2022-2023 is 4270.

The percentage of first-generation students among the number of enrolled BSc's students in 2022-2023 is 95.6%.

Affordable and Clean Energy

SDG 7.2 University measures towards affordable and clean energy

SDG 7.2.1 Energy-efficient renovation and building

ZUJ adopted a thorough set of policies on campus aiming to reduce energy consumption. In this regard, ZUJ has an agreement with Philadelphia Solar to maintain the solar system (Standard level 1, attached the agreement for the year 2022-2023). In addition, Renovation of buildings was carried out taking into account insulation of walls, floors and roofs. Also, high performance windows (low-e) coatings were fixed in the University premises. The buildings were under maintenance to ensure air sealing through sealing the gaps in the walls. Heating systems were shifted toward efficient systems like the implementing high performance (HVAC) units, heat recovery ventilation (HRV) units and programmable thermostats.

In doing so, the use of energy-efficient appliances is increasingly replacing conventional appliances at ZUJ. This shift is part of the university's broader commitment to sustainability and reducing energy consumption. Energy-efficient appliances, such as LED lighting, smart HVAC systems, and eco-friendly office equipment, are being integrated across campus buildings to reduce the overall environmental footprint. These appliances not only help in cutting down energy costs but also contribute to the university's efforts to create a greener and more sustainable campus environment. This transition supports the global movement towards sustainable energy use and reflects the university's dedication to environmental responsibility.

90% of our University's lightning system is energy efficient; LED Lights are used in most of the university's buildings with motion sensor. Energy efficient appliances usage are replacing conventional appliances



LED Light with motion detector





Motion Sensor

اتفاقية

جرى الاتفاق في يوم **١١/٢٩/٢٠٢٣** الموافق **٢٣** بين الفريقين :-

الفريق الأول :- شركة فيلادلفيا لتكريب وصيانة مشروعات الطاقة الشمسية و عنوانها : عمان - القسطل - الأردن ، الرقم الوطني للمنشأة : 200164550 ويمثلها لغايات توقيع هذه الاتفاقية السيد عبد الرحمن احمد شحاده شحاده .

الفريق الثاني :- الشركة الاستثمارية لجامعة الزيتونة الأردنية ، عنوانها : عمان-الأردن 200002099، ويمثلها لغايات توقيع هذه الاتفاقية السيد : عبد اللطيف أمين صالح مرعي.

بما أن الفريق الأول هي شركة تقوم بتكريب وصيانة مشاريع الطاقة الشمسية لغايات متعددة، وبما أن الفريق الثاني يرغب باستخدام هذه التقنية لصيانة مشروع الطاقة الشمسية لمشروع الشركة الاستثمارية لجامعة الزيتونة الأردنية ، فقد تم الاتفاق ما بين الفريقين على ما يلي :-

أولاً : مقدسة هذه الاتفاقية تعتبر جزءاً لا يتجزأ منها .

ثانياً :

إلتزامات الفريق الأول :

1. يقوم الفريق الأول بعمل صيانة تصحيحية بدل فك وتركيب واستبدال 50 لوح شمسي قدرة 330 واط فقط لا غير .

ثالثاً :

إلتزامات الفريق الثاني :

1- التواصل و التنسيق مع صاحب العمل.

رابعاً : يتعهد الفريق الأول بالمباشرة بأعمال صيانة تصحيحية بدل فك وتركيب واستبدال 50 لوح شمسي قدرة 330 واط فقط لا غير .

خامساً : يتعهد الفريق الثاني بدفع مبلغ قدره 4,000 دينار أردني فقط (اربعة آلاف دينار فقط لا غير) بعد توقيع الاتفاقية بحيث تكون الدفعات على النحو التالي :-

1- 100% بعد توقيع العقد

سادساً :

1- تطبيق الشروط العامة في عقد الفيديك للإنشاءات - الأحمر 1999 و تعتبر جزءاً لا يتجزأ من هذه الاتفاقية.

الشركة الاستثمارية لجامعة
الزيتونة الأردنية
عمان، الأردن

(Signature)

ب- أي خلاف ينشأ بين الفريقين يتم حله ودياً و في حال عدم التوصل الى اتفاق يتم اللجوء إلى التحكيم و يكون القانون الاردني هو المطبق في المحكمة.

سابعاً : تتكون هذه الاتفاقية من سبعة بنود بما فيها هذا البند وصفتين.

الفريق الثاني

الشركة الاستثمارية لجامعة الزيتونة الاردنية

التوقيع :




الفريق الأول


شركة فيلادلفيا لتكريب و صيانة مشروعات الطاقة الشمسية


التوقيع :








 الشركة الاستثمارية جامعة الزيتونة الأردنية
Al-Zaytoonah University Invest. Co.
(ذات مسؤولية محدودة)



الرقم : ح ز 91 / 2021 / 17
التاريخ : 2021 / 5 / 31

السادة / شركة فيلادلفيا للطاقة الشمسية المحترمين

تحية طيبة وبعد ،

نعلمكم موافقتنا على العرض المقدم من قبلكم بخصوص صيانة نظام الطاقة الشمسية في جامعة الزيتونة الأردنية (Standard level 1) وكما هو وارد في تفاصيل العرض المشار إليه (مرفق) ، مع الأخذ بعين الاعتبار مايلي :


1. يبدأ عقد الصيانة بتاريخ 2021/6/1 وينتهي بتاريخ 2022/5/31 .
2. يشمل عقد الصيانة كافة مكونات النظام بما فيها الجزء الذي تم تركيبه وتشغيله في فترة سابقة بقدرة (154) واط .
3. قيمة العقد شاملاً الضريبة العامة على المبيعات [REDACTED] (سبعة آلاف وخمسمائة وأربعة و ستون دينار و 650 فلساً) يتم دفعه على النحو التالي :

أ) الدفعة الاولى [REDACTED] بتاريخ 2021/6/30 .

ب) الدفعة الثانية / [REDACTED] بتاريخ 2021/12/31 .

واقبلوا فائق الاحترام

م. عبد اللطيف أمين موعي
نائب رئيس هيئة التدريس



1/5

Tel : + 962 - 6 - 5930128
TefFax: + 962 - 6 - 5931483

هاتفون : + 962 - 6 - 5930128
هاتفكس : + 962 - 6 - 5931483



**Philadelphia
Solar**

فيلادلفيا
للمطاقة الشمسية

Att: Al-Zaytoonah University of Jordan: -

We are pleased to submit our Maintenance offer from 1-6-2021 till 1-6-2022 as following: -

Preventive maintenance Description: -

No.		Standard level 1	Standard level 2
1	Preventive Maintenance Visits	Monthly	Seasonally
2	Call Response	Emergency call within 48 hours	Emergency call within 48 hours
3	Inspection & Testing	Included	Included
4	Accessories	Included Mc4/ cable tight/fuses/clamps	Included Mc4/ cable tight/fuses/clamps
5	Reporting	monthly	Seasonally
6	Main Equipment Warranty	As per manufacturer	As per manufacturer
7	Training	Included (once year) general training & cleaning training	Included (once year) general training & cleaning training
8	Replacement Main Equipment (if required)	Not-Included	Not-Included
	Remote Technical Assistance	spare part not included	spare part not included
	Total / year	6,521.25 JD	4,367.50 JD

Taking into your consideration the following: -

- ❖ **Recommendation:** - Cleaning to be done minimum 2 times in the month for all building & system by the client.
- ❖ **Payment Terms:** -50% on 30.06.2021 and 50% on 31.12.2021.
- ❖ **Sales tax** to be added on issuing invoices.

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2 | Page

P.O.Box 143808 Postal Code 11814 Amman - Jordan
Tel +962 6 471 6601 Fax +962 6 471 6602
www.philadelphia-solar.com

015

Philadelphia Solar فيلادلفيا
للطاقة الشمسية

Schedule Preventive Maintenance: -

No.	Station Name	Part	Action	Interval	done
1	Module structure	Module structure	General Inspection	Annually	✓
		Cabinet door filters	Replacement (or as per manufacturer recommendation)	annually	✓
		fans	Inspections air inlet and outlet meshes, Tightness of terminals, Dustiness, corrosion and temperature (or as per manufacturer recommendation)	seasonally	✓
		input/output	Inspection voltage & current (as per manufacturer recommendation)	monthly	✓
		fuses	Performance Quality of supply (as per manufacturer recommendation)	monthly	✓
2	inverters	Control panel	cleaning Use a soft damp cloth to clean the control panel. Avoid harsh cleaners which could scratch the display window (as per manufacturer recommendation)	seasonally	✓
		electrical connections	visual inspection (as per manufacturer recommendation)	monthly	✓
		connections terminals	inspection for discoloration or signs of high temp/current* (as per manufacturer recommendation)	monthly	✓
		DC connectors	visual inspection (as per manufacturer recommendation)	monthly	✓
		modules status inspection	inspection and make sure the cells without any broken or snill trail or bubbles (as per manufacturer recommendation)	monthly	✓


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Philadelphia Solar		فيلادلفيا للطاقة الشمسية			
3	PV modules	modules status inspection	inspection and make sure the cells without any broken or snill trail or bubbles (as per manufacturer recommendation)	monthly	✓
		voltage , current & power	Performance Quality of supply (as per manufacturer recommendation)	monthly	✓
		Earthing connection	inspection for any lose or damaged (as per manufacturer recommendation)	seasonally	✓
		connections terminals	inspection for any lose or damaged (as per manufacturer recommendation)	seasonally	✓
4	monitoring system	controller	check the Performance ratio for the system and help to backup with 3rd party	monthly	✓
5	Cables	Measurement	Record all voltage and current readings from the monitoring system	monthly	✓
			performance open-circuit voltage (Voc) of all strings with the inverter (as per manufacturer recommendation)	monthly	✓
6	Combiner Box	Fuses	performance maximum power current (Imp) of all strings with the inverter on and at specified or recorded levels of power (as per manufacturer recommendation)	monthly	✓
7	combiner box cable tray & ducts	fuses check tray over all situation	continuity of all system fuses at the combiner boxes, disconnects, and inside the inverter(s);	seasonally	✓
			check tray over all situation	seasonally	✓
			Make sure heat in the tray is not excessive	seasonally	✓
			inspection all fastening devices	seasonally	✓

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 Philadelphia Solar		فيلادلفيا للطاقة الشمسية			
8	Sensors	sensors	Make sure the tray is not overloaded in weight and/or volume	seasonally	✓
		sensors	inspection	seasonally	✓
		measuring	outer housing panels	seasonally	✓
9	Distribution Boards	Distribution Boards	inspection wire insulation abrasion/damages	seasonally	✓
			inspection for overheating wires and copper parts	annually	✓
			Tighten terminal lugs of wiring connection	annually	✓
			inspection condition of vibration, noise	seasonally	✓
			inspection that all covers and doors are secure	seasonally	✓
			Tighten bolts and nuts/ loose connections	annually	✓
			inspection for physical damages dents and rusts	annually	✓

If you have any further question, kindly contact **Safaa Hussien** who is our nominated sales Representative for this project.

Cell. +962 791369269

Email: safaa@philadelphia-solar.com

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Affordable and Clean Energy

Adopting Smart Building technologies at ZUJ is continuous and aims to improve energy efficiency and building management. Smart building systems integrate advanced technologies such as IoT (Internet of Things), automation, and data analytics to monitor and control various aspects of campus operations.

- Automated Lighting and Climate Control
- Energy Monitoring
- Security Systems
- Water Conservation
- Integration with Renewable Energy
- Data-Driven Decisions

By implementing smart building technologies, Al-Zaytoonah University enhances operational efficiency, promotes sustainability, and improves the overall experience for students and staff. This initiative supports the university's goal of creating a future-ready, sustainable campus.



Emergency lights



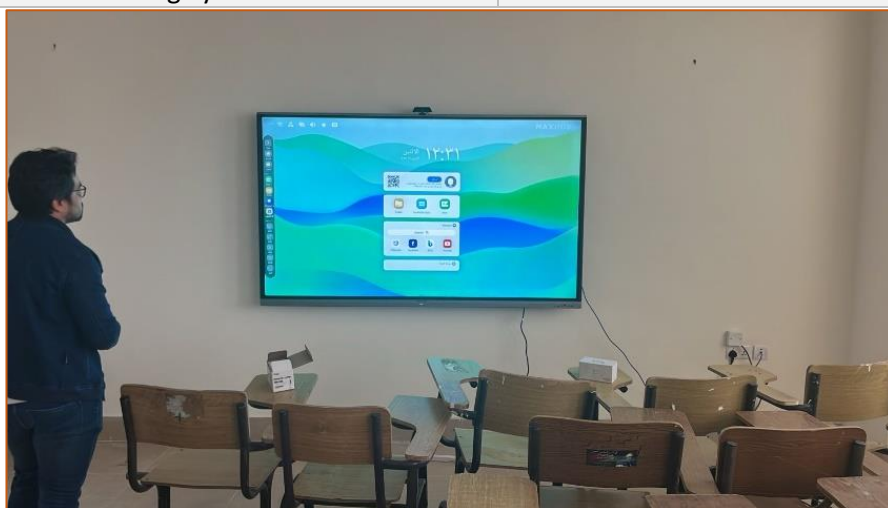
The Automatic Fire Alarm Sensor System



The Automatic heating System



SMART DOOR



Affordable and Clean Energy

SDG 7.2 University measures towards affordable and clean energy

SDG 7.2.2 Upgrade buildings to higher energy efficiency

ZUJ adopted approaches and regulations to ensure the new builds and renovations are following energy efficiency standards, energy-saving and carbon-reduction practices. The users of the buildings, facilities, and equipment on campus follow the given instruction to maximize the efficiency of energy. Examples of measures taken by ZUJ are listed below: Moreover, buildings renovation and maintenance studied the approaches which would upgrade the energy efficiency based on insulation in walls, roofs, and floors to lower heat loss and gain, also windows and doors sealing to reduce air leaks in windows and doors

When renovating existing buildings or creating new ones on campus, strict adherence to government rules regarding environmental protection, energy efficiency, and water conservation must be maintained. These include, but are not limited to, the following points:

It is estimated that 75% less energy lightning system is energy efficient; LED Lights are used in most of the university's buildings with motion sensor.

1.1. LED Energy



LED Light with motion detector

Affordable and Clean Energy

1.2 Split-type air-conditioners are purchased in accordance with the latest environmental regulations and are inverter air-conditioners.



CONTROL CENTER FOR PHOTOVOLTAIC CELLS SYSTEM

Affordable and Clean Energy

In order to increase the energy efficacy, a control center for photovoltaic cells is established. Where the 6000 solar panels are monitored 24/7 and once a defect is detected a maintenance team would fix the panel directly and thus maximize the estimated energy usage.



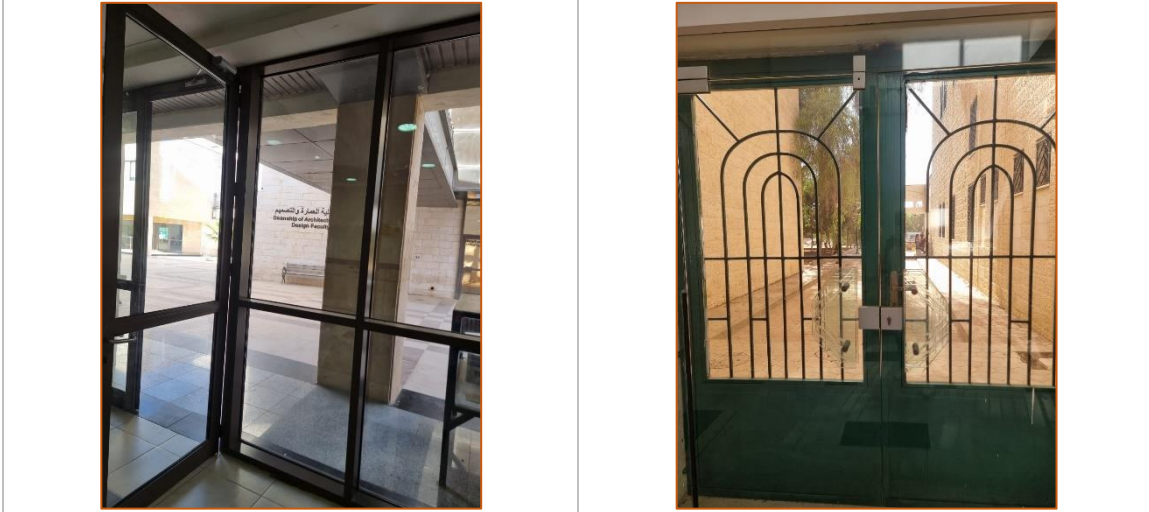
Affordable and Clean Energy

1.3 The passive lighting strategy: ZUJ adopted implementation of large windows and glass doors that allow natural lighting to pass through the buildings: Inserted below samples of the designated natural lighting:

The electricity box that is shown above, is a controller box which can control the timing of when the electricity is turned off or on to have more electricity efficiency.



Affordable and Clean Energy



1.4 Al-Zaytoonah University of Jordan has the automatic fire alarms sensor, emergency lights system where both are turned on automatically if a fire occurred or the electricity went down.

As well as the heating system that is provided in all the buildings in the university



Emergency lights



The Automatic Fire Alarm Sensor System



The Automatic Heating System



SMART DOOR



Smart Board Screen Saver



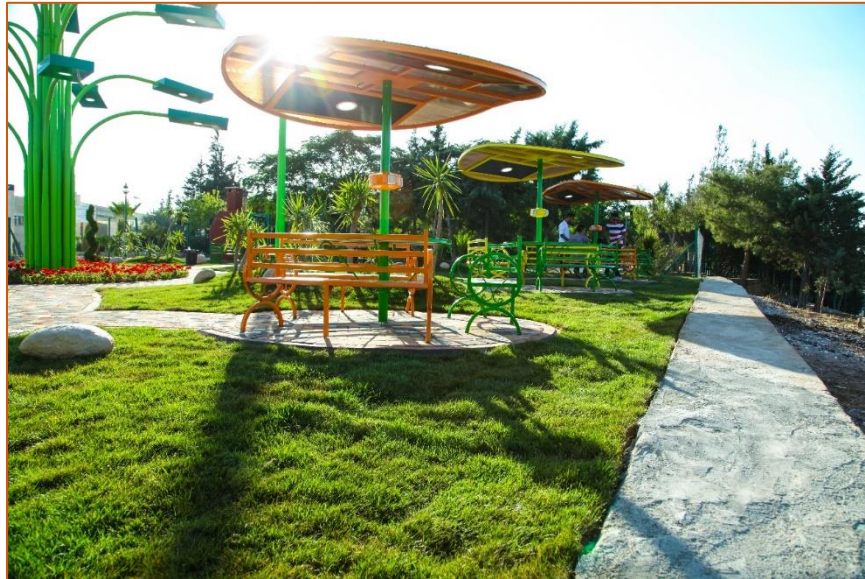
Photovoltaic Cells



Moreover, ZUJ guid their students towards practices contribute in energy saving



A practical course on the solar panel efficiency in energy saving/ ZUJ



Wind Energy



SDG 7

Affordable and Clean Energy

ZUJ

جامعة الزيتونة
Al-Zaytoonah University of Jordan



Affordable and Clean Energy

SDG 7.2 University measures towards affordable and clean energy

SDG 7.2.3 Carbon reduction and emission reduction process

ZUJ has implemented a comprehensive Greenhouse Gas Emission Reduction Program aimed at minimizing its carbon footprint and promoting sustainability on campus. The program includes several initiatives:

Charge Parking: The university has introduced charging stations for electric vehicles, encouraging the use of cleaner transportation options among faculty, staff, and students.

Renewable Energy: The university utilizes renewable energy sources, primarily solar energy, to power its buildings and facilities. This shift towards green energy significantly reduces dependence on traditional electricity sources.

First Jordanian Solar Park: The university features an innovative solar park that incorporates a "solar tree" with photovoltaic (PV) panels, a hybrid PV/wind system, and solar umbrellas equipped with electricity outlets for student use. This park represents a major step in the university's commitment to renewable energy.

Ride Share Program: The university has also launched a ridesharing initiative to promote carpooling among students and staff, reducing the number of vehicles on campus and lowering overall greenhouse gas emissions.

These initiatives reflect the university's dedication to reducing greenhouse gas emissions and fostering a more sustainable, eco-friendly campus environment.



Affordable and Clean Energy

To that extent ZUJ has taken the following steps:

1. ZUJ is adopting a fully electronic portal that include sectors in both academic and administrative sections. A trial version is applied and ZUJ is hoping to train the administrative staff on its use to lower paper waste.
2. Al-Zaytoonah University of Jordan has constructed a charging parking for the private electric vehicle.
3. Al-Zaytoonah University of Jordan used a renewable energy for electricity.
4. Al-Zaytoonah University of Jordan has established the first Jordanian solar park, which consists of different components; a solar tree where the leaves are basically PV panels (M36s-100Wp), a hybrid system (PV/wind), and solar umbrellas fitted with electricity outlets for students.
5. Al-Zaytoonah University of Jordan has encouraged rideshare to adopt healthy and sustainable transportation options, (Carpool). Furthermore, Al-Zaytoonah University of Jordan promotes eco-friendly commuting options such as cycling, walking, and public transportation by providing bike-sharing programs, pedestrian-friendly infrastructure, and discounted public transit passes.
6. Al-Zaytoonah University of Jordan Develop a clear plan to become a carbon-neutral institution by a specified target year, taking into account energy efficiency, renewable energy adoption, and carbon offsetting strategies.
7. Al-Zaytoonah University of Jordan Invest in on-campus renewable energy projects, such as solar panels and wind turbines, to reduce dependence on fossil fuels and lower greenhouse gas emissions.

Affordable and Clean Energy

8. Al-Zaytoonah University of Jordan commits to sustainable building practices by adhering to green building standards like LEED (Leadership in Energy and Environmental Design) for all new construction and renovations.
9. Al-Zaytoonah University of Jordan integrates sustainability and climate change-focused courses and programs across various disciplines, encouraging students to explore solutions to environmental challenges.
10. Al-Zaytoonah University of Jordan funds and support research initiatives focused on climate change, renewable energy, and sustainability, facilitating innovation in these areas.
11. Al-Zaytoonah University of Jordan implements comprehensive waste reduction and recycling programs on campus, with a goal to minimize landfill waste and maximize recycling rates.
12. Al-Zaytoonah University of Jordan sources goods and services locally and sustainably, prioritizing eco-friendly products and supporting fair trade practices.
13. Al-Zaytoonah University of Jordan engages with the local community and collaborate on sustainability initiatives, knowledge-sharing, and outreach programs to extend sustainability efforts beyond campus boundaries.
14. Al-Zaytoonah University of Jordan allocates resources and grants to support student-led sustainability projects and initiatives, empowering students to drive change and apply their knowledge in practical ways.

	
<p>Charge Parking</p>	<p>Renewable Energy using Solar System</p>

Affordable and Clean Energy

These steps have produced a total carbon footprint (CO₂ emission in the last 12 months, in metric tons) of:

CO₂ (electricity) = (945000/1000) x 0.84 = 793.8 metric ton (according to explanation provided in evidence 2.6)

CO₂ (bus) = (Zero) metric ton (no Buses within the campus)

CO₂ (cars) = (Zero) metric ton (just the electrical cars are allowed)

CO₂ (motorcycle) = (Zero) metric ton (no motorcycle within the campus)

CO₂ (total) = 793.8 metric ton





Charge Parking



First Jordanian Solar Park

Ride Share



Renewable Energy Using Solar System

Affordable and Clean Energy

SDG 7.2 University measures towards affordable and clean energy

SDG 7.2.4 Plan to reduce energy consumption







ZUJ has implemented four key renewable energy systems on its campus to reduce electricity usage: wind energy, solar systems, clean biomass, and bio-diesel systems. These renewable sources are used collectively to generate power, ensuring that the university buildings rely 100% on these sustainable energy sources. This initiative demonstrates the university's commitment to sustainability and energy efficiency by fully integrating renewable energy solutions into its campus operations. Moreover, ZUJ has energy monitor center called Control Center for PV systems where 6000 solar panels are being monitored 24/7 with ability to detect defects that may occur and ensure they are being fixed.

ZUJ plan to conduct energy audit by professional assessment and identification of high energy areas.

Moreover, a trained cleaning team is hired to clean the 6000 solar panels on daily basis for 4h per day. Typically, each panel is cleaned twice a month. In this way, ZUJ ensure reduction in wasted energy.

ZUJ is adamant to adopt plan regarding the reduction of energy consumption through continuous renovation of its premises and design smart buildings for the new one.

ZUJ plans to implement higher number of smart lighting controls and led bulbs.

	
	
<p>Wind Energy</p>	<p>Solar Systems</p>
	
<p>Bio Diesel</p>	<p>Clean Biomass</p>

Affordable and Clean Energy

SDG 7.2 University measures towards affordable and clean energy

SDG 7.2.5 Energy wastage identification

Al-Zaytoonah University of Jordan try to identify energy wastage and implement policies to diminish these wastage, as described below:

1. Installation of paper shredding machines in the school administrative and academic sectors.
2. Papers and cardboard are put in a special can to be collected and recycled.
3. The weekly deans 'council meetings are paper free and electronic and procedures are sent via email. to reduce the usage of papers.
4. ZUJ is adopting a fully electronic system in their management affairs to lower energy wastage.
5. The university has three classes of waste bins: where glass, metallic and paper waste are classified and dealt with as required. This approach would have allowed staff and enrolled students to be part of saving the environment.
6. The old falling trees and woods are shipped to a local chopper or shredder and turn it to wood veneer and reuse.
7. The university operate its own sanitary treated plants resulting sewerage (sludge) being recirculated within the treated plants due to the small amounts resulted.
8. Al-Zaytoonah university of Jordan uses recycled water for irrigation, and to reduce water usage; the university uses the dripping methodology.

Affordable and Clean Energy

9. Faculty of Pharmacy, Faculty of Nursing and the University's clinic use containers with international specifications to get rid of toxic content, to be disposed of in the most proper ways.



Paper shredder



Paper and hard paper recycling can



Paper free meetings



Three different typrd of cans to resort trash



Example of Organic Waste Treatment



Treated water consumed

Affordable and Clean Energy



ZUJ emphasizes on modernization of its campus and improving energy efficiency, security, and overall building management. Smart building systems integrate advanced technologies such as IoT (Internet of Things), automation, and data analytics to monitor and control various aspects of campus operations. In order to lower energy wastage, the following measures are taken:

- Automated Lighting and Climate Control
- Energy Monitoring
- Security Systems
- Water Conservation
- Integration with Renewable Energy
- Data-Driven Decisions

Affordable and Clean Energy

By implementing smart building technologies, Al-Zaytoonah University enhances operational efficiency, promotes sustainability, and improves the overall experience for students and staff. This initiative supports the university's goal of creating a future-ready, sustainable campus.



Emergency lights



The Automatic Fire Alarm Sensor System



The Automatic heating System



SMART DOOR



Affordable and Clean Energy

SDG 7.2 University measures towards affordable and clean energy

SDG 7.2.6 Divestment Policy

ZUJ is fully committed to carefully investigate the projects which it considers to sponsor. Thereby, ZUJ is not sponsoring any projects that may be harmful to the environment or projects that requires resourcing 100% biofuel energy.

ZUJ does not sponsor any financial projects currently, but it supports scientific projects that is related to sustainability where the deanship of scientific research has financially sponsored over 31 researches with a budget nearly 750 thousand dollars in the year 2022-2023. Moreover, ZUJ recognizes the significance of divestment, in order to promote green energy and help spread the benefit of green energy as well as provide green energy to the community and not just the campus. To that purpose, Al-Zaytoonah University of Jordan has an agreement with Jordan Electricity Company in which the University provides the excess amount of its solar energy.

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Affordable and Clean Energy

SDG 7.3 Energy use density

SDG 7.3.1 Energy use per sqm

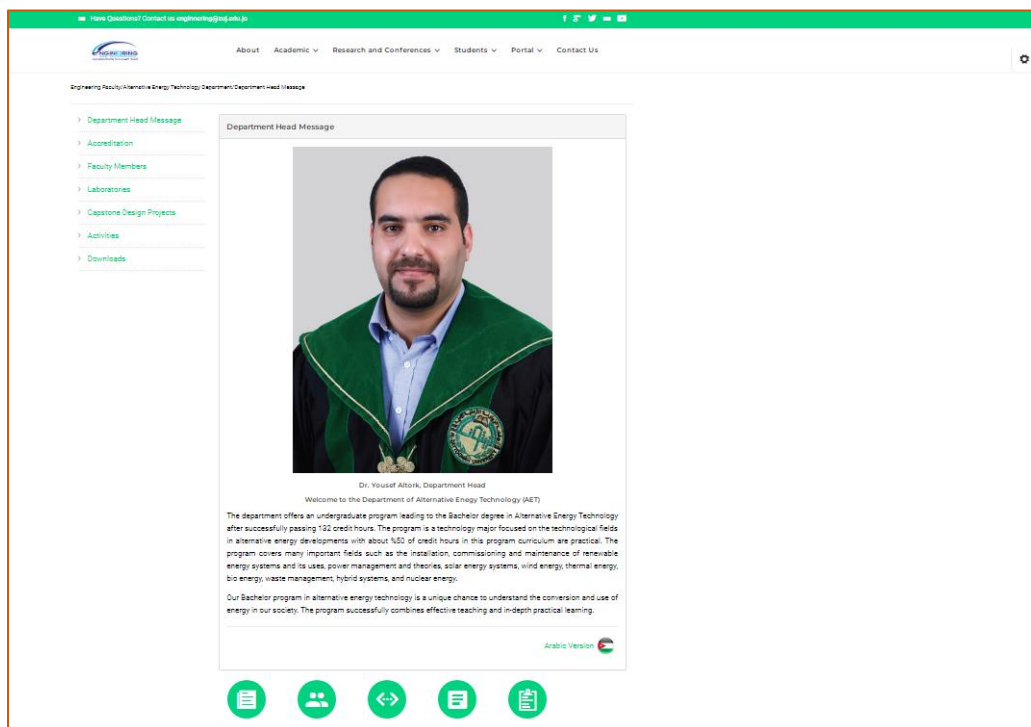
Energy usage per sqm	12.95
Total energy used per year	945,000 kwh
University floor space	72,993 m ²

SDG 7.4 Energy and community

SDG 7.4.1 Local community outreach for energy efficiency

Al-Zaytoonah University of Jordan acknowledge the importance of spreading knowledge to the community. In order to achieve that goal ZUJ provides programs for local community to learn about importance of energy efficiency and clean energy, as follows:

1. Al-Zaytoonah University of Jordan developed an Alternate Energy Department, which offers an undergraduate program leading to the Bachelor degree in Alternative Energy Technology after successfully passing 132 credit hours. [Click Here \(Link\)](#)



ENGINEERING AND TECHNOLOGY
كلية الهندسة والتكنولوجيا

جامعة الزيتونة الأردنية
Al-Zaytoonah University of Jordan
كلية الهندسة والتكنولوجيا
Faculty of Engineering and Technology

"الجرعة والتأثير"
"Quality and Excellence"

"عرة وجود"
"Tradition and Quality"

Brief course description- Course Plan Development and Updating Procedures)
Alternative Energy Technology Department

QF09/0409-3.0E

Course number	Credit hours	Title of the course	Prerequisite-co-requisite
0906230	3	Conventional energy resources	0120131
This course covers the following topics: Introduction to energy source and Quality of energy, Types of most common conventional fuels: coal, natural gas, oil shale and petroleum products, gasification processes, Current proven reserves of fossil fuels, Economy of fossil fuels, Environmental impacts of fossil fuels and calculating the heating value.			
0906316	3	Electronics circuits	0905111
Semiconductors and PN junctions, diodes and applications, special purpose diodes, single and three phase rectifiers, field-effect transistor (FET) and biasing, regulators, single and three phase inverters, bipolar junction transistors (BJTs) and bias circuits, power amplifiers, op-amps.			
0906335	3	Combustion processes	0906225
The course discuss the principal concepts of combustion theory, the chemical combustion reactions, the boilers combustion, the Internal combustion engine, the four stroke engine, the two stroke engine, the Wankel engine, the Otto cycle, the Diesel cycle, the actual engine cycle, the engine performance characteristics, the turbocharged and compound Diesel, the engine exhaust and intake			
0906344	3	Solar thermal energy workshop	0906325
carry out experiments in Solar thermal circuits, Study solar angles, heat balance, thermal efficiency, control of thermal circuits, irradiance, heat exchanger, pumps, effect of coating material, control of the thermal circuits, evacuated tubes design, CSP system design.			

ENGINEERING AND TECHNOLOGY
كلية الهندسة والتكنولوجيا

جامعة الزيتونة الأردنية
Al-Zaytoonah University of Jordan
كلية الهندسة والتكنولوجيا
Faculty of Engineering and Technology

"الجرعة والتأثير"
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Brief course description- Course Plan Development and Updating Procedures)
Alternative Energy Technology Department

QF09/0409-3.0E

Course number	Credit hours	Title of the course	Prerequisite-co-requisite
0906317	1	Electronics circuits lab	0906316
Diodes and its characteristics, Zener diodes, half-wave and full wave rectifiers, three-phase rectifiers, FET transistors, FET switching, regulators, inverters, power amplifiers, op-amps.			
0906336	3	Energy conversion	0906230
This course covers the following topics: Energy sources and their classification. Conventional energy conservation: Power plant and vapor cycles. Renewable energy: Solar energy with emphasis on solar cells, and wind energy, geothermal energy, Nuclear fission and types of fission reactors.			
0906334	1	Combustion lab	0906335
This course elaborates on the fundamentals of internal combustion engines and what affects their performance, operation, fuel requirements and environmental impact. Internal combustion engines may be classified according to: cycle of operation (two-strokes & four strokes engine), cycle of combustion (Otto, Diesel & dual cycle engine), method of ignition (Spark ignition (S.I) engine & Compression ignition (C.I) engine). This lab aims to study the engine operating characteristics (work, pressure, torque, power, air-fuel ratio, fuel consumption, efficiency, emission & volumetric efficiency) for various types of engines.			
0906346	3	Alternative energy (I)	0906325
This course covers the following topics: The need for alternate energy sources, Solar Radiation: Concepts, Measurements, Site assessment and solar angle. Potential of solar (PV or Thermal and CSP) and wind options, Measurement of solar radiation, Tracking surfaces, Direct, sky diffuse and ground reflected components, Introduction to photovoltaic (PV) systems. Solar energy potential for PV, irradiance, solar radiation and spectrum of sun, Photovoltaic effect, conversion of solar energy into electrical energy, behavior of solar cells, Solar cells, basic structure and characteristics: Single-crystalline, multicrystalline, thin film silicon solar cells, emerging new technologies and sizing of off-			

ENGINEERING AND TECHNOLOGY
كلية الهندسة والتكنولوجيا

جامعة الزيتونة الأردنية
Al-Zaytoonah University of Jordan
كلية الهندسة والتكنولوجيا
Faculty of Engineering and Technology

"الجرعة والتأثير"
"Quality and Excellence"

"عرة وجود"
"Tradition and Quality"

Brief course description- Course Plan Development and Updating Procedures)
Alternative Energy Technology Department

QF09/0409-3.0E

Course number	Credit hours	Title of the course	Prerequisite-co-requisite
0906100	3	Principles of energy sciences	-
This course aims to teach the students the traditional energy sources: coal, oil shale, oil and its derivatives. Renewable energy sources: solar energy, wind energy, hydrogen production, groundwater energy, biomass energy, and nuclear energy. Energy conservation in buildings appliances and other different sectors.			
0906201	3	Workshop and occupational safety	-
This course concentrates on safety management as it relates to hazard identification, accident investigation and training, enabling the safety manager to reduce costs to business, industry, and government. This course also covers labor laws in general and the Jordanian labor law in specific.			
0906210	3	Electrical machines and power systems	0905111
Newton's law of rotation, magnetic fields and circuits, Faraday's law, real reactive and apparent power, three-phase circuits, delta wye connections, one-line diagrams, power triangle, ideal transformers, per-unit system, three-phase transformers, magnetomotive force, stator, rotor, synchronous generators and			

ENGINEERING AND TECHNOLOGY
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Brief course description- Course Plan Development and Updating Procedures)
Alternative Energy Technology Department

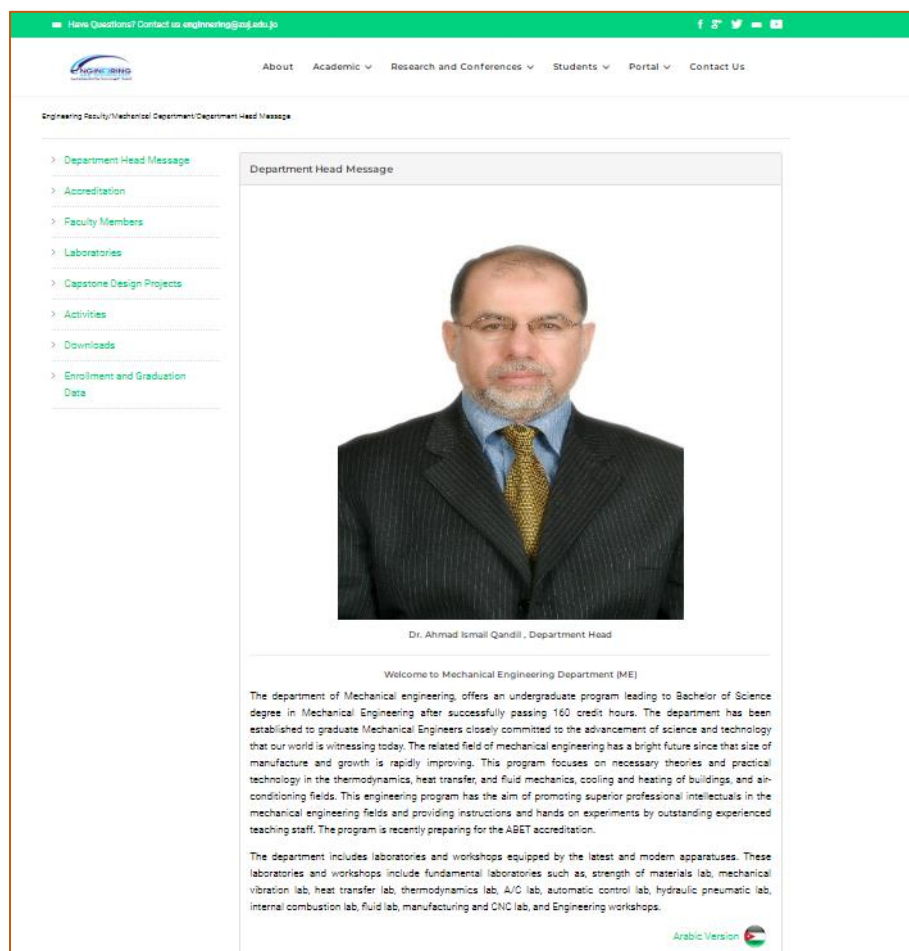
QF09/0409-3.0E

Course number	Credit hours	Title of the course	Prerequisite-co-requisite
0906225	2	Thermodynamics	0120131
This course covers the following topics: Defining and describing systems and their behavior, Energy and the first law of thermodynamics. Ideal gas law & ideal gas properties. First law Analysis for a control volume: Development of equations for conservation of mass and energy. Introduction to second law of thermodynamics. Gas power cycles and Refrigeration Cycle.			
0906211	1	Electrical machines and power systems lab	0906210
Delta-star connections, measurement of voltage-current-power, single phase transformers, autotransformers, three phase transformers, synchronous transformers, three phase induction motors, shunt DC motors, series DC motors, transmission lines.			
0906223	2	Fluid mechanics	0120131
This course covers the following topics: General Introduction - Introduction - Fluid Properties - Fluid Statics - Flowing Fluids and Pressure Variation - Control Volume Approach and Continuity Equation - Momentum Equation - Energy Equation - Dimensional Analysis and Similitude - Flow in conduits: Laminar and Turbulent pipe flow -Turbomachinery			
0906314	3	Instrumentations and measurements	0905111
Units, dimensions and standards, uncertainty analysis, error measurements, statistical analysis, sensor calibration, noise sources, signal conditioning, amplifiers, op-amps, low pass and high pass filters.			

Course Plan of Alternative Energy Technology

Total number of specialty courses on Alternate Energy are 52 courses including labs and workshops, as seen in this link, [Click Here \(Link\)](#)

2.A new program under the mechanical engineering's department entitled sustainable energy engineering was established. [Click Here \(Link\)](#)



Total number of specialty courses on sustainable energy engineering is about 30% of the total courses which is equivalent to about 48 hours.

3. Al-Zaytoonah University also offers different courses that address energy efficiency and clean energy in different programs, as follows
 - a. Civil and Infrastructure Engineering, there are 25 courses [Click Here \(Link\)](#).



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"Quality and Excellence"

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Faculty of Engineering and Technology



"عراقة وجودة"
"Tradition and Quality"

Course Plan for Bachelor program - Course Plan Development and Updating Procedures/
Civil and Infrastructure Engineering Department

QF09/0407-3.0E

Course Plan for Civil and Infrastructure Engineering (Bachelor Program) No.: (20171)



Approved by Deans Council by decision (07/72/2016/2017) dated (30/08/2017)



(160) Credit Hours

No.	Goals and learning outcomes
PEO 1	Implement technical, collaborative, and communication skills with leadership principles, to pursue careers in Civil and Infrastructure Engineering.
SO	
1	An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics
2	An ability to apply the engineering design process to produce solutions that meet specified needs with consideration for public health and safety, and global, cultural, social, environmental, economic, and other factors as appropriate to the discipline.
5	An ability to function effectively as a member or leader of a team that establishes goals, plans tasks, meets deadlines, and creates a collaborative and inclusive environment.
6	An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions.
8	An ability to understand and explain the key concepts used in management, business, public policy, public administration, leadership principles and licensure.
PEO 2	Seek higher degrees in Civil and Infrastructure Engineering and embark on continuing education
SO	
1	An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.
2	An ability to apply the engineering design process to produce solutions that meet specified needs with consideration for public health and safety, and global, cultural, social, environmental, economic, and other factors as appropriate to the discipline.
3	An ability to communicate effectively with a range of audiences.
6	An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions.

Couse Plan of Civil and Infrastructure Engineering

b.Mechanical Engineering offers one course on Mechanical Systems in green buildings, [Click Here \(Link\)](#).

 <p>جامعة الزيتونة الأردنية Al-Zaytoonah University of Jordan كلية الهندسة والتكنولوجيا Faculty of Engineering and Technology</p>		 <p>"صالة وجودة" "Tradition and Quality"</p>	
Brief course description- Course Plan Development and Updating Procedures\ Mechanical Engineering Department		QF09/0409-3.0E	
0911322	3	Thermodynamics (2)	Thermodynamics (1)
This course covers the following topics: Review of thermodynamic basic laws and principles, Thermodynamic cycles analysis, energy analysis of both closed and open systems, irreversibly, exergy analysis for both control mass and volume systems, vapor cycles, gas power cycles, refrigeration and air thermodynamic cycles			
Course number	Credit hours	Title of the course	Prerequisite-co-requisite
0911324	3	Fluid Mechanics (1)	Dynamics
Introduction, Fluid properties, Basic units, Fluid statics, Pressure and its measurements, Forces on plane and curved submerged surfaces, buoyancy & floatation, Fluids in motion, Flow kinematics and visualization, Basic control volume approach, Differential and integral continuity equation, Pressure variation in flowing fluids, Euler's and Bernoulli's equations, Applications of Bernoulli equation, Momentum principle and its applications, Navier-Stokes equations, Energy equation, Hydraulic and energy grade lines, Dimensional analysis and similitude, Surface resistance and introduction to boundary layer theory, Flow in conduits, laminar and turbulent flows, Frictional and minor losses, Piping systems			
Course number	Credit hours	Title of the course	Prerequisite-co-requisite
0911361	3	Engineering Numerical Methods	Calculus (2) For Engineering students

 <p>جامعة الزيتونة الأردنية Al-Zaytoonah University of Jordan كلية الهندسة والتكنولوجيا Faculty of Engineering and Technology</p>		 <p>"صالة وجودة" "Tradition and Quality"</p>	
Brief course description- Course Plan Development and Updating Procedures\ Mechanical Engineering Department		QF09/0409-3.0E	
Course number	Credit hours	Title of the course	Prerequisite-co-requisite
0911323	1	Thermodynamics Lab.	Co. Thermodynamics (1)
Experimental methods in the following : Mechanical equivalent of heat; The adiabatic exponent; Marcet boiler; Bomb calorimeter; Flow through nozzle; Refrigeration system; Air conditioning system; Heat pump and air cooler; single stage air compressor; cooling tower; Thermic unit (steam turbine power plant).			
Course number	Credit hours	Title of the course	Prerequisite-co-requisite
0911325	1	Fluid Mechanics Lab.	Co. Fluid Mechanics (1)
Experimental methods in the following systems; center of pressure; impulse momentum principle; pumps, friction losses in pipes, stream lines and flow fields, buoyancy and boundary layer theory. Radial flow fan, Water turbine, Flow measurement.			
Course number	Credit hours	Title of the course	Prerequisite-co-requisite
0911331	3	Heating and Air Conditioning	Thermodynamics (1)
Review of psychrometry; thermal comfort; air conditioning processes; inside and outside design conditions; heating load calculations; infiltration; cooling load calculations; caloristic heating systems design; latent heat			

Course Plan of Mechanical Engineering

SDG 7.4 Energy and community

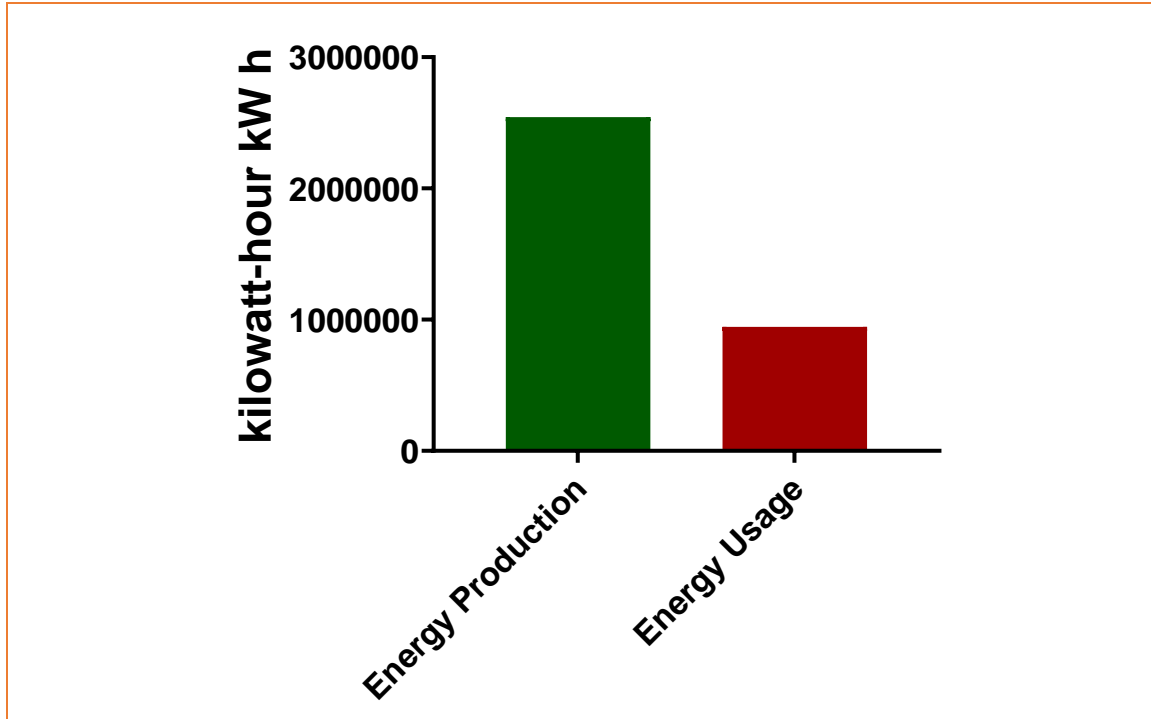
SDG 7.4.2 100% renewable energy pledge

ZUJ is fully committed to 100% renewable pledge. ZUJ relies on implementing solar panels (6000 panels) for production of energy and do not rely on biofuel sources. [Click Here](#)



ZUJ has implemented four key renewable energy systems on its campus to reduce electricity usage: wind energy, solar systems, clean biomass, and bio-diesel systems. These renewable sources are used collectively to generate power, ensuring that the university buildings rely 100% on these sustainable energy sources. This initiative demonstrates the university's commitment to sustainability and energy efficiency by fully integrating renewable energy solutions into its campus operations. ZUJ produces 2,544,000 kwh per annum with a total Energy Usage of 945,000kwh. Also, Al-Zaytoonah University of Jordan took different measurement to ensure 100% renewable pledge, as follows:

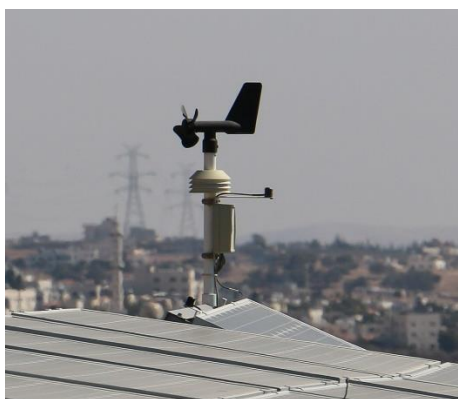
Affordable and Clean Energy

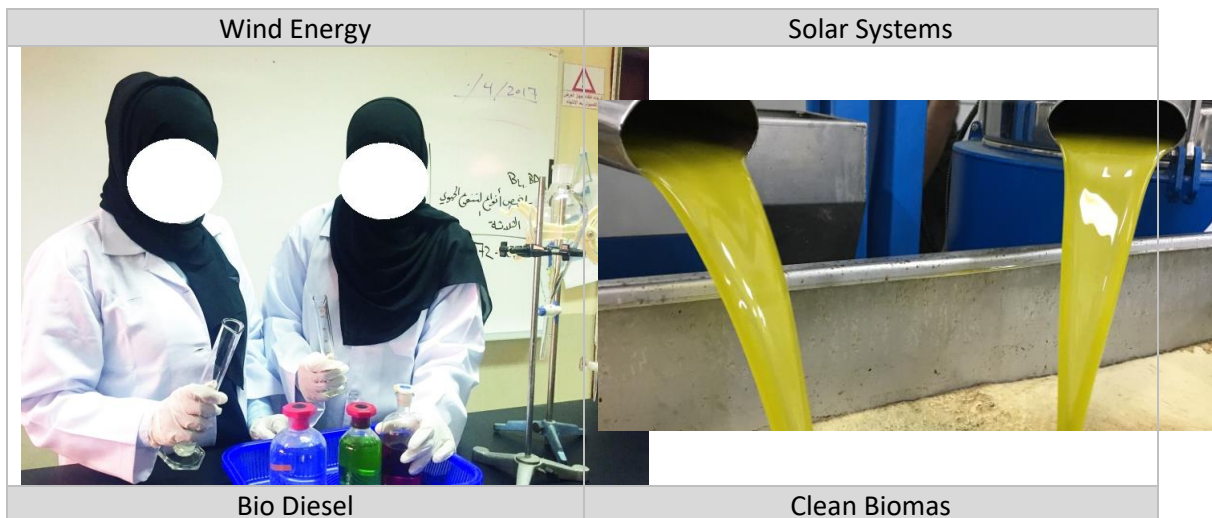




1. Using electrical charging parking for the private electric vehicle.
2. Using renewable energy for electricity.
3. The first Jordanian solar park consists of different components; a solar tree where the leaves are PV panels (M36s-100Wp), a hybrid system (PV/wind), and solar umbrellas fitted with electricity outlets for students.
4. Rideshare is designed to encourage commuters to adopt healthy and sustainable transportation options, (Carpool). Furthermore, Al-Zaytoonah University of Jordan promotes eco-friendly commuting options such as cycling, walking, and public transportation by providing bike-sharing programs, pedestrian-friendly infrastructure, and discounted public transit passes.
5. Encouraged rideshare to adopt healthy and sustainable transportation options, (Carpool).

Affordable and Clean Energy

6. Developed a clear plan to become a carbon-neutral institution by a specified target year, taking into account energy efficiency, renewable energy adoption, and carbon offsetting strategies.
7. Invested in on-campus renewable energy projects, such as solar panels and wind turbines, to reduce dependence on fossil fuels and lower greenhouse gas emissions.
8. Committed to sustainable building practices by adhering to green building standards like LEED (Leadership in Energy and Environmental Design) for all new construction and renovations.
9. Integrated sustainability and climate change-focused courses and programs across various disciplines, encouraging students to explore solutions to environmental challenges.
10. funded and support research initiatives focused on climate change, renewable energy, and sustainability, facilitating innovation in these areas.
11. Implemented comprehensive waste reduction and recycling programs on campus, with a goal to minimize landfill waste and maximize recycling rates.
12. Sourced goods and services locally and sustainably, prioritizing eco-friendly products and supporting fair trade practices.
13. Engaged with the local community and collaborate on sustainability initiatives, knowledge-sharing, and outreach programs to extend sustainability efforts beyond campus boundaries.
14. Allocated resources and grants to support student-led sustainability projects and initiatives, empowering students to drive change and apply their knowledge in practical ways.





	
<p>Charge Parking</p>	<p>Renewable Energy using Solar System</p>

SDG 7.4 Energy and community

SDG 7.4.3 Energy efficacy service for industry

ZUJ take a pride in providing free direct services to local industry aimed at improving energy efficiency and clean energy (energy efficiency assessments, workshops, consultations and research renewable energy options).



Affordable and Clean Energy

SDG 7.4 Energy and community

SDG 7.4.4 Policy development for clean energy technology

ZUJ has been assessing the potential for installing renewable energy systems using GIS mapping and renewable energy simulation software since 2016. The university conducted feasibility studies to identify the optimal locations for solar panels and wind turbines. Upon completing the planning phase, the implementation process began immediately, with the installation of the energy systems closely monitored through project management tools. ZUJ continues to track energy production and performance using renewable energy monitoring systems, ensuring efficient and sustainable energy use across the campus. Planning, implementation, monitoring and/or evaluation of all programs related to Energy and Climate Change through the utilization of Information and Communication Technology (ICT):

Stage	Activities/Programs	ICT Utilization	Evidence	Timeline	Responsible Team/Department
Planning	Assess potential for renewable energy installations	Use of GIS mapping and renewable energy simulation software	Feasibility studies, site assessment reports	2016	Engineering Department, ICT committee, Deans council
Implementation	Install renewable energy systems (solar panels, wind turbines)	Project management tools, installation scheduling software	Installation logs, energy generation data	2016	Engineering Department
Monitoring	Track renewable energy production	Renewable energy monitoring systems	Energy production reports, performance analytics	Ongoing	Engineering Department, ICT committee



Renewable energy simulation software and installation of renewable energy

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ZUJ recognizes the importance of establishing clean energy technology as well as developing policies for clean energy technology. For that purpose, Al-Zaytoonah University of Jordan has an agreement with Jordan Electricity Company in which the University provides the excess amount of its solar energy.

شركة الكهرباء الأردنية المساهمة العامة المحدودة - عمان			
قسم المشترك			
رقم المشترك	رقم نوع الاشتراك	رقم القاتورة	رقم القسط
4001568000	05071133	003014420063	120793302936
المدة: 16.03.2022	17.02.2022	رقم العداد	رقم القسط
10	00	20168000777	544447
16.03.2022	17.02.2022	رقم العداد	رقم القسط
118510	532596	544447	571251
66480	564603	1052990	1000960
0	0	1000960	1000960
تفاصيل التكلفة			
رقم القاتورة	القيمة	القيمة	القيمة
1750	1750	1750	1750
0000	0000	0000	0000
40000	40000	40000	40000
118510	118510	118510	118510
1000	1000	1000	1000
593216	593216	593216	593216
754476	754476	754476	754476
0000	0000	0000	0000
754476	754476	754476	754476
بدون شعار الخ			
* يفصل التيار ما لم تسدد القيمة خلال شهر			
* لا تعتبر هذه القسيمة وصلاً بقيمة المطلوبة إلا بعد ختمها بالة أو ختم الصندوق			
شركة الكهرباء الأردنية المساهمة العامة المحدودة - عمان			
قسم المشترك			
رقم المشترك	رقم العداد	رقم القاتورة	رقم القسط
20168000777	544447	571251	1052990
جامعة الزيتونة الأردنية			

- Al-Zaytoonah University of Jordan encourages its academics to be a part of different originations both nationally and internationally to shape and participate in policy development for clean energy

Affordable and Clean Energy

4.1 Prof. Safwan Al-Qawabah from Mechanical Engineering Dept./ Faculty of Engineering worked as:

4.1.1 A member in the board directors of Cigre – Jordan



4.1.2 A member in Cigre – Paris



4.1.3 the Head of steel committee in Jordan Standards of Metrology Organization

4.1.4 a member of International Advisory Board of Jordan Journal of Mechanical and Industrial Engineering [Click Here \(Link\)](#)



2.1.5 a Member of board of directors of EPPM Association EPPM-Association: Officers 2018 - 2020 (ppml.url.tw)

2.1.6 a Member of the technical committee of the 4th International Conference on Mechanical Design and Engineering (ICMDE 2018)-EI Compendex, Scopus, ICMDE--EI, Scopus 2018 : 2018 the 4th International Conference on Mechanical Design and Engineering (ICMDE 2018)--EI Compendex, Scopus (wikicfp.com)

2.1.7 a Member of the technical committee of the First Conference in Mechanical Engineering Science and Applications [Click Here \(Link\)](#)

2.1.8 a Member of the technical committee of The 7th International Conference on Advanced Materials Research [Click Here \(Link\)](#)



Affordable and Clean Energy

2.1.9 a Member in the steering committee of the IEEE Middle East & North Africa Communications Conference Advancing the Communication Vision [Click Here \(Link\)](#)

2.1.10 an Industrial Consultant for Jordan Engineer Association

Affordable and Clean Energy

SDG 7.4 Energy and community

SDG 7.4.5 Assistant to low-carbon innovation

Al-Zaytoonah University of Jordan has innovative programs-based solar energy namely:

1. Sustainable Students Park (SSP) program: in this program, a solar photovoltaic system has been installed outdoors (in the university park), benefiting more than 10000 students and visitors who can enjoy charging their devices, connecting to the internet, lighted park at night, and free-smoke area.
2. Electronic Cars Charging Stations (ECCS) program: this program was launched by Al-Zaytoonah University of Jordan in 2019 to provide convenient and affordable charging for electronic cars.
3. University Solar Photovoltaic (USVP) Program: This program aims to provide the university with 2,544,000 kwh of solar-powered electricity for buildings lighting, heating, operating all electrical devices in the university such as operating air-conditioners and operating computers in labs.
4. Green Area Program aims to limit and decrease the parking area on campus (increasing the green area)
5. Sustainable Ecological System: This program has been funded by the Al-Zaytoonah University of Jordan to overcome the complex chronic problem of water scarcity for freshwater drinking and agriculture. This program has developed an innovative, sustainable and Ecological system as a solution to the water scarcity problem by

Affordable and Clean Energy

designing a Renewable Energy Driven Vapor Absorption System (RE-VAS) for water harvesting from atmospheric air.

6. Forest Fire System: This program has been funded by Al-Zaytoonah University of Jordan to develop a reliable system that can detect wildfire before it is too late; Provide a fire behavior analysis and some important parameters using machine learning (such as the fire spreading rate, the spreading direction, the slop...etc.) for the firefighter department to reduce the faulty alarm and help the firefighter to plan the right teamwork for fire extinguishing. 3- Fire prediction using multiple inputs, such as WSN input, from sensor readings, sensor behavior, weather condition ...etc.

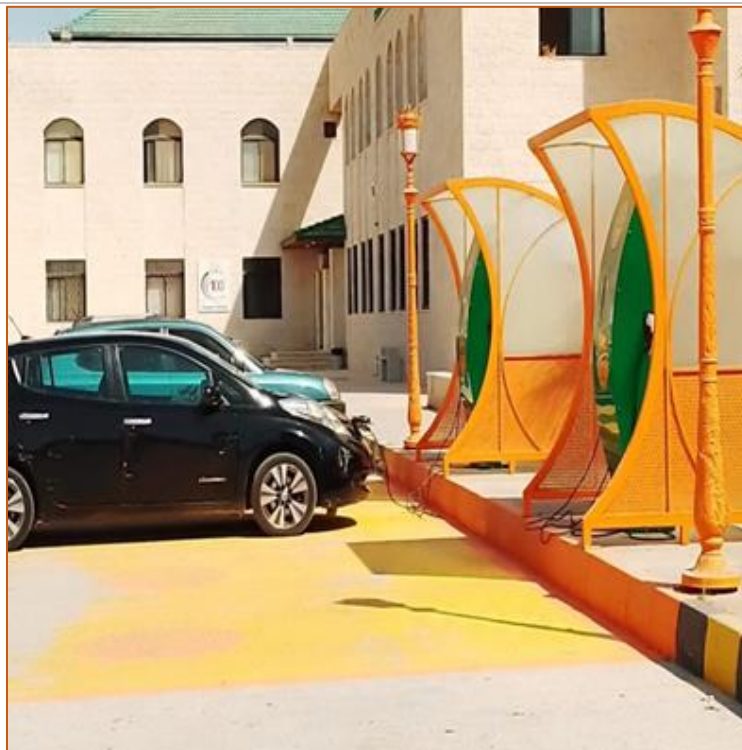


Sustainable Students Park (SSP)



University Solar Photovoltaic (USVP)



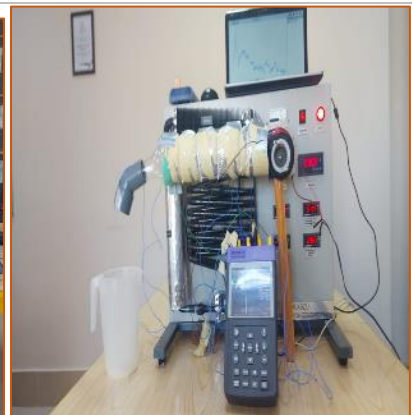


Electronic Cars Charging Stations (ECCS)





Green Area Program aims to limit and decrease the parking area on campus (increasing the green area)



Sustainable Ecological System

HOME PAGE > NATIONAL > FEATURES

Initial fire-detection experiment held in Barqash forests

Roa'a Rayyan, Jordan News •
last updated: Sep 08, 2022



(Photos: Handout / Al-Khatib)

A+ A-

AMMAN – An initial fire-detection experiment on early fire-detection was conducted in the plantations of Barqash in Ajloun, a project

anniversary

Jordan, Hungary tackle cooperation

AMMAN (Jordan News) – The Jordanian and Hungarian governments have signed a cooperation agreement in the field of forest fire prevention and control. The agreement was signed in Amman during a visit by the Hungarian Minister of Agriculture and Rural Development to Jordan.

Initial fire-detection experiment held in Barqash forests







By Roa'a Rayyan



AMMAN (Jordan News) – An initial fire-detection experiment on early fire-detection was conducted in the plantations of Barqash in Ajloun, a project...



Stavros Niarchos Foundation to support | Flat6 Labs holds demo

Forest Fire System

 <p>https://elearning.zuj.edu.jo/</p>	
<p>Dedicating E-learning Center to Help and Support Students for E-Learning</p>	<p>Virtual Workshops</p>
	
<p>A Chatbot Had Been Built to Help and Support the University's Students in the e-learning System and Process</p>	<p>E-learning Mobile Application to Help and Guide the Students in the E-Learning</p>
	
<p>E-learning Youtube Channel</p>	<p>E-learning Portal Connected to Facebook, Youtube, Virtual Labs, and Whatsup Channels</p>

	
<p>http://icit.zuj.edu.jo/icit2021/Index.html</p>	<p>http://sicb.zuj.edu.jo/sicb/sicb2021/</p>

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Like many countries, Jordan has resorted to lockdown in an attempt to contain the outbreak of coronavirus (Covid-19). A set of precautions such as quarantines, isolations, and social distancing were taken in order to tackle the rapid spread of it. However, the authorities were facing a serious issue with how to enforce quarantine instructions and social distancing among its people. In this work, a social distancing mentoring system has been designed to help Al-Zaytoonah University of Jordan to implement the precautionary measures that prevent the spread of infection among students and staff in order to return to work from the campus, making it one of the leading and pioneering institutions in Jordan that use an automated "Social Distancing" system as part of its risk management plan. This real-time object tracking system utilizes the widespread of surveillance cameras that already located within the university campus. The results showed the efficiency of this system in tracking people and determining the distances between them in accordance with public safety instructions. This work is the first approach to handle the classification challenges for moving objects using multi-core techniques.

E-Learning Center

The e-Learning Center at Al Zaytoonah University has been operating as the core of distance learning, online courses, online training, educational support, and open educational resources. The center is one of the main operating units in the university.

The Center Main Goals are as following:

- Support and help the student in the learning era.
- Solve all problems of the students related to the e-learning process.
- Create a basis of multiple eLearning platforms and services to students, professors, and staff.

Affordable and Clean Energy

- Promote and improve the methods of eLearning among youth and adult learners.
- Enable the opportunities for research and innovation in the eLearning field.
- Provide professional training in e-Learning to strengthen the overall learning outcomes and teaching techniques.

E-Learning Portal and Different Social Media Pages, Helpdesk Groups, and Software's.

E-Learning portal, Facebook Page, WhatsApp, and Chabot's tools' main mission is to keep in contact with locked students at home and comfort them and their families about the destiny of the courses. However, teachers were not ready to move to full remote learning, and others did not know eLearning platforms and tools. To detect demands extremely fast and offer distance courses for Professors for e-learning discovery, the University established a dedicated e-learning center. A Facebook group, WhatsApp Help Group, Hotline, Chabot and YouTube Channel facilitated fast communication to support students and professors. All the software needed for Professors (Moodle, Microsoft Team, social media, Zoom, Simulators, Virtual Labs, VR labs etc.) to reduce technological constraints and cope with Covide-19 Pandemic.

Virtual Workshop

In the course of the health crisis of COVID-19 that is speeding the digital transition from higher education, the world of higher education is profoundly altering. In higher education institutions globally, this quiet revolution is happening. Not just what should be taught but how best to teach it, these basic tendencies are shifting. In the dynamic worldwide environment of higher education, we consider it necessary to reflect on and discuss experiences and problems. This seminar and workshop seek to determine strategies to ensure that our students enjoy the best learning experiences possible. Al Zaytoonah University focuses on its core strengths. It challenges the long-standing assumptions of teaching and learning based on a wide spectrum of change, such as active study, philosophy and hybrid courses, and green skills. It also

Affordable and Clean Energy

challenges addressing the urgent need for students to gain new and highly specialized skills to achieve the Sustainable Development Goals in more broad terms. Industry and university experts from throughout the globe will share their experiences and explore new developments in disruptive learning.

In addition, ZUJ through the Deanship of Scientific Research and Innovation emphasis on the role of Universities in innovation and sponsoring cutting-edge research on renewable energy technologies and energy efficiency. Thus, ZUJ had sponsored over 31 projects under the category of sustainability-related projects in a total budget of 715,112.15 US dollars. ZUJ addressed the urge of digital transition in education, adopting smart buildings and the use of virtual reality on the expense of conventional paper-based learning. The designated projects addressed the need of using non-conventional approaches in practical life fields that include banking, education, nursing. It is envisaged that the sponsored projects will hopefully facilitate innovation in carbon reduction. A list of the sustainability related projects that were sponsored by ZUJ are inserted below:

Affordable and Clean Energy

قائمة مشاريع البحث العلمي المدعومة من الجامعة (التي تم التنسيب بالموافقة عليها) 2022 - 2023 م

Projects List 2022-2023

Sustainability - related projects

#	عنوان المشروع	الباحث / الباحثون	الكلية / القسم	تاريخ بداية التنفيذ	قيمة الدعم (د.أ.)
1.	تطبيقات انترنت الأشياء في الغرف الصفية الذكية باستخدام تقنيات هندسة متطلبات البرمجيات	د. اكرم عبدالكريم عبدالقادر، د. خليل عوض محمد صالح	العلوم وتكنولوجيا المعلومات / هندسة البرمجيات	2022/12/6	11500
2.	تطوير نظام ذكي لإدارة المستندات الإلكترونية يعتمد على أساليب التعلم الآلي (دراسة حالة - نظام أرشفة ملفات الطلاب بجامعة الزيتونة)	د. محمد ابراهيم عبد الكريم المهيرات، د. وائل جمعة عبد اللطيف الزيادات	العلوم وتكنولوجيا المعلومات / هندسة البرمجيات	2023/4/6	10400
3.	نظام تتبع الطلاب والتعرف عليهم لتنبؤ المخالفات داخل كلية العلوم وتكنولوجيا المعلومات	د. عدنان احمد عبد الفتاح حنيف، د. ثامر أحمد موسى الرواشدة	العلوم وتكنولوجيا المعلومات / الأمن السيبراني	2023/4/6	9750

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7000	2023/4/6	العلوم وتكنولوجيا المعلومات / الرياضيات	د. طارق محمد ذياب حمادنه , د. هيثم علي مصطفى القواقنة	الأمثلية الرياضيه في تحكم نظري جديد وتطبيقاتها على تصميم وتطوير نظام زراعي ذكي مرتبط بتقنيات الذكاء الاصطناعي وتعلم الآلة	4.
7590	2023/4/6	العلوم وتكنولوجيا المعلومات / هندسة البرمجيات	د. محمد محمود عارف عبد الله , د. موسى ابراهيم محمد صلاح	دراسة مدى اهتمام مستخدمي الجولة الاقتصادية لجامعة الزيتونة الأردنية من الطلبة وأعضاء الهيئة التدريسية والمجتمع المحلي	5.
89700	2023/8/8	العلوم وتكنولوجيا المعلومات / الأمن السيبراني	د. محمد احمد عبد الحفيظ عالية , د. يوسف محمد عبد الرحمن جرادات	تحليل الأداء والتحديات SiS / الأمنية لتطبيق على السحابة: SaS دراسة حالة جامعة الزيتونة الأردنية	6.
16900	2022/12/6	الصيدلة / الصيدلة	د. نور حسن محمد أبو الهيجاء , د. ايفين فوزي سعيد الشلبي, د. شدى جاسر احمد العبد, د. الهام منصور ابراهيم أبوشريعة	فاعلية المستخلصات والنواتج الطبيعية لبعض النباتات الطبية في الأردن لعلاج السرطان	7.

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6500	2022/12/6	الصيدلة / الصيدلة	د. نمر الخطيب, د. آلاء سعيد محمد الخطيب, د. حمزة محمد علي ابومنصور	العوائد الصحية والاقتصادية الوطنية المتوقعة من برامج الاقلاع عن التدخين في الأردن	8.
7950	2023/4/6	الصيدلة / الصيدلة	د. لورانس محمد شفيق مرشد البرغلي, د. حنين محمد خليل كلوش	تصميم وتصنيع رباعي أمايد جديد من ثلاثة مركبات غير جديدة	9.
15000	2023/4/6	الصيدلة / الصيدلة	د. آلاء محمود احمد حماد, د. سهير زياد عبد الحميد سنقرط, د. سوسن ابراهيم محمد خضير	دراسة مقارنة لتأثيرات التعرض لمنتجات التبغ المختلفة على الأعضاء المختلفة في الجردان	10
34500	2022/12/6	التمريض / تمريض	د. مروه البرماوي, د. خالد حسن حسين سليمان, د. مجدي محمد بشير طه الحديدي	استخدام الواقع الافتراضي الغامر لتحسين اتخاذ القرارات السريية والتقييم السريي بين طلاب التمريض	11
8850	2022/12/6	الآداب / معلم صف	د. محمد حسن الطراونه, د. وائل جمعة عبد اللطيف الزيادات, د. بلال محمود حسين الوادي	مدى تطبيق مسار الدراسة المزدوجة وانعكاساته الاكاديمية والمهنية على الطلاب والجامعة والمجتمع: دراسة حالة في جامعة الزيتونة الأردنية.	12

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6050	2023/4/6	الآداب / العلوم الاساسية (الإنسانية والعلمية)	د. خلدون خليل سليم الحباشنه، د. عدنان احمد عبد الفتاح حنيف، د. احمد عبد الله اشتيان الذنيبات	" أثر استخدام تكنولوجيا الواقع الافتراضي في تدريس عينه من طلبة مادة الحضارة الإنسانية: دراسة حالة / جامعة الزيتونة الأردنية "	13
4985	2022/12/6	الأعمال / التسويق	د. محمد لطفي محمد عاشور، د. رائد مصباح محمد القرم	أثر تطبيق التسويق الالكتروني في تعزيز اداء مشاريع الاعمال الصغيرة في الريف والمناطق النائية في الاردن.	14
4350	2022/12/6	الأعمال / ادارة الاعمال	د. نجم نجم عبود نجم، د. نافز نمر حسن علي	الاستدامة البشرية وتنافسية الشركات الصناعية الأردنية: الأثر الوسيط لمشاركة العاملين	15
5570	2023/4/6	الأعمال / نظم المعلومات الادارية	د. قيثاره كاظم عبد الرحمن الشايع، د. حذيفه الجوازنه	نموذج محاكاة وتقنيات ذكاء اصطناعي لضبط حركة المرور في عمان	16
5100	2023/4/6	الأعمال / المحاسبة	د. أحمد عادل جميل عبد الله، د. عبد الرزاق قاسم محمود الشحادة	أثر فعالية التدفقات النقدية في مستوى الاستثمار في تكنولوجيا المعلومات وأثرها في استمرارية الأرباح: أدلة من البنوك المدرجة في بورصة عمان	17

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4550	2023/4/6	الأعمال / المحاسبة	د. محمد محمود مصطفى ياسين, د. أحمد عدنان حسين طعمه	مناهج مبتكرة لتعليم المحاسبة: دمج أدوات ذكاء الأعمال (مقارنة بين آراء الأكاديميين والمهنيين)	18
4308	2023/4/6	الأعمال / المحاسبة	د. أسامة سميج عبدالرحمن شعبان, د. زيد محمد مسلم الحواتمه	أثر الرافعة المالية على الأداء المالي للشركة - الدور الوسيط للذكاء الاصطناعي	19
5730	2022/12/6	الهندسة والتكنولوجيا / الهندسة الكهربائية / الهندسة الكهربائية القوى والتحكم	د. مي محمود عبد الرحيم ارشيدات , د. احمد عدلي احمد مناصرة, د. محمد زكريا محمد مسعود	تصميم وتنفيذ روبوت متحرك ناعم ذو ناقل متحرك الشكل لخدمات السلامة العامة	20
5050	2022/12/6	الهندسة والتكنولوجيا / الهندسة الكهربائية / الاتصالات والحاسوب	د. محمد زكريا مسعود, د. راشد عبدالرحيم ابراهيم السكرانه	نظام الصحة والسلامة العامة منخفض الميزانية باستخدام التعلم الآلي ومستشعر Kinect 3D	21
6900	2022/12/6	الهندسة والتكنولوجيا / الهندسة الميكانيكية	د. صفوان محمد أحمد القوابعة, د. نبيل عبد الفتاح عبد الرحمن ابو شعبان	تأثير عملية الدرفلة المتعددة على الخصائص الميكانيكية وخصائص السطوح للسبائك ذاكرة الشكل	22

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7000	2022/12/6	الهندسة والتكنولوجيا / الهندسة الميكانيكية	د. فراس محمود مكايله, د. احمد عدلي مناصرة, د. مي شرف الدين بني يونس	تحلية المياه متوسطة الملوحة بالطاقة الشمسية النشطة : حل مستدام لأزمة المياه في الأردن	23
4650	2022/12/6	الهندسة والتكنولوجيا / الهندسة المدنية والبنية التحتية	د. رامي محمد ذيب علونه, د. اسماعيل احمد اسماعيل جنود	تطوير إطار عمل جديد لتطبيق الاقتصاد الدائري للمشاريع الانشائية في الأردن	24
6800	2022/12/6	الهندسة والتكنولوجيا / تكنولوجيا الطاقة البديلة	د. يوسف أحمد حسن الترك, د. رفيق منيب رفيق مناع	تبريد المكونات الكهربائية والإلكترونية عن طريق نقل الحرارة بالحمل الطبيعي	25
5030	2022/12/6	الهندسة والتكنولوجيا / الهندسة المدنية والبنية التحتية	د. اكرم صبحي حردان سليمان, د. محمد عبد الرحمن محمد جرادات	عوائق ودوافع تبني تطبيق الهندسة القيمية في المشاريع الانشائية في الاردن	26
10260	2023/4/6	الهندسة والتكنولوجيا / الهندسة المدنية والبنية التحتية	د. محمد عبدالرحمن محمد جرادات, د. اكرم صبحي حردان سليمان	استخدام رماد جفت الزيتون والألياف الطبيعية في الخلطات الإسمنتية والخرسانية	27
68000	2023/4/6	الهندسة والتكنولوجيا / الهندسة الكهربائية / الهندسة	د. فراس محمد حسين العزه, د. فراس حامد فلاح الطراونه	أثر حوسبة أنظمة إدارة الجودة على مؤشرات الأداء في مؤسسات التعليم العالي – حالة	28

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		الكهربائية القوى والتحكم		دراسية جامعة الزيتونة الأردنية	
9270	2023/4/6	الهندسة والتكنولوجيا / الهندسة الميكانيكية	د. رفيق منيب رفيق مناع، د. أحمد راتب أحمد العبوشي	دراسة أداء التدفق وانتقال الحرارة في قنوات التبريد المعززة بشفرات داخلية	29
17700	2023/4/6	الهندسة والتكنولوجيا / الهندسة الميكانيكية	د. نبيل عبد الفتاح عبد الرحمن ابو شعبان، د. صفوان محمد أحمد القوابعة	تأثير عملية الصفح الدوراني وعملية الأكسدة الكهربائية على سبائك الالمنيوم المستخدمة في صناعة الطائرات	30
100000	2023/4/6	العمارة و التصميم / هندسة العمارة	د. تالا صفوان سامي مرعي، د. فداء توفيق شريف عبد الحميد، د. احمد اسماعيل قنديل، د. هشام صالح محمود ربايعة	حيزات داخلية تدرس تأثير مجموعة متنوعة من مواد البناء على البيئة الداخلية ؛ دراسة حالة جامعة الزيتونة	31

SDG 17 Relationships to support the goals

SDG 17.2.1 Relationships with regional NGOs and government for SDG policy

Al-Zaytoonah University plays a vital role in advancing sustainable development goals (SDGs) by establishing robust partnerships with regional NGOs and government agencies. These collaborations drive research, influence policy, build community capacity, and promote sustainability across various sectors:

Research Partnerships: Al-Zaytoonah University collaborates with regional NGOs and government agencies on SDG-focused research projects. This partnership supports the collection and analysis of data, creating evidence-based recommendations that drive effective SDG policies.

Policy Advocacy and Consultation: Regional NGOs act as valuable intermediaries between Al-Zaytoonah University and government bodies. By facilitating discussions and advocating for SDG policies, these organizations help connect the university with policymakers, allowing them to contribute valuable insights that shape policy decisions.

Capacity Building: Al-Zaytoonah University provides training programs and workshops for regional NGOs and government agencies, equipping them with the skills to effectively implement, monitor, and assess SDG initiatives.

Knowledge Sharing and Dissemination: Through conferences, workshops, and publications, Al-Zaytoonah University disseminates research findings and knowledge that regional NGOs and government agencies can apply in their initiatives. This sharing of insights fosters informed decision-making and enhances SDG-focused efforts.

Local Implementation Projects: By partnering with regional NGOs, Al-Zaytoonah University can initiate SDG projects within local communities. Government agencies further support these projects by providing necessary resources and regulatory support to ensure their success.

Monitoring and Evaluation: Al-Zaytoonah University collaborates with government agencies and NGOs to develop monitoring and evaluation frameworks that measure the progress of SDG implementation. These frameworks enhance transparency and accountability, ensuring that initiatives align with desired outcomes.

Public Awareness and Education: Al-Zaytoonah University, along with regional NGOs and government entities, works to raise public awareness of the SDGs through educational campaigns, workshops, and community engagement. This collaboration promotes a culture of sustainability and encourages active public participation.

Some relationships examples in Al Zaytoonah University with regional NGOs and government for SDG policy:

Collaborative Research on Renewable Energy with Local NGOs and Environmental Agencies: Al-Zaytoonah University can partner with environmental NGOs and government energy departments to conduct research on renewable energy sources, such as solar and wind power, applicable to local contexts. This research could involve studying energy consumption patterns, resource availability, and the environmental impact of different energy sources, providing data to support government policies promoting sustainable energy.

Policy Advocacy for Inclusive Education with Education NGOs and the Ministry of Education: By collaborating with NGOs focused on education equality and the Ministry of Education, Al-Zaytoonah University can conduct studies on barriers to quality education, especially for marginalized communities. The findings could be shared in policy forums to advocate for improved access to education, aligning with SDG 4 (Quality Education) and indirectly supporting SDG 17 through partnerships.

Workshops and Training Programs for Local Government Agencies on Sustainable Agriculture: Al-Zaytoonah University can offer workshops to build the capacity of local agricultural NGOs and government agencies, focusing on sustainable farming practices, water conservation, and soil health. This training helps local farmers implement sustainable practices that align with SDG 2 (Zero Hunger) while strengthening the university's partnership with regional organizations.

Public Awareness Campaigns with Health NGOs and Public Health Authorities: The university can collaborate with health-focused NGOs and public health authorities to promote awareness about preventative healthcare measures and sanitation. Hosting public workshops, creating informational materials, and organizing health fairs can educate the public on the importance of health and wellness, supporting SDG 3 (Good Health and Well-being) through partnership-driven community outreach.

Joint Pilot Projects for Community Development in Rural Areas: In partnership with NGOs and local governments, Al-Zaytoonah University can launch pilot projects that bring clean water, electricity, and educational resources to rural communities. These projects would serve as case studies that help evaluate the feasibility of similar initiatives on a larger scale, promoting community welfare and sustainable development.

Monitoring SDG Progress through Data Collection with Government Agencies: Al-Zaytoonah University can collaborate with governmental departments, such as the Department of Statistics, to develop a system for tracking SDG progress. By collecting and analyzing data on indicators like poverty levels, access to clean water, and health services, the university helps measure the success of SDG-focused programs and policies, providing critical insights for continuous improvement.

- **Prof. Mohammad Al Majali (Al Zaytoonah University President) has an important role on improving:**
 1. Universities laws [Click Here \(Link\)](#)
 2. Higher Education Systems [Click Here \(Link\)](#)
 3. General Admission Policies for Universities and Community Colleges [Click Here \(Link\)](#)
 4. University Instructions and Standards [Click Here \(Link\)](#)

Dr. Ezeddin Salem Gassar was selected on 13-14/02/2023 as a judge in the Libya Award for Scientific Excellence (LASE) competition, which aims to select the best university research submitted by students

from all universities in the State of Libya. The competition was held at the University of Gharyan in the city of Gharyan, Libya.

.5



- **Dr. Suhair Sunoqrot** from the Department of Pharmacy, Faculty of Pharmacy, worked as:
 - In December 2022, Prof. Suhair Sunoqrot was invited by the Deanship of Scientific Research at the University of Jordan to give a training on "Funding Opportunities Offered by the International Centre for Genetic Engineering and Biotechnology (ICGEB)".



عمادة البحث العلمي
DEANSHIP OF SCIENTIFIC RESEARCH



جامعة الزيتونة الأردنية
THE UNIVERSITY OF JORDAN



الجامعة الزيتونة الأردنية
THE UNIVERSITY OF JORDAN

Deanship of Scientific Research
الرقم: ٢٥٢٢/١٩ / ٢٥٢٢
التاريخ: ٢٥٢٢ / ١٢ / ٨

عمادة البحث العلمي

الدكتور سهير زياد سنقرط

الموضوع: شكر وتقدير

تحية طيبة، وبعد،،

فيسرني أن أعرب لكم عن صادق الشكر وعميق التقدير على المساهمة الفاعلة والجهود الطيبة المخلصة التي بذلتموها في إعطاء الدورة المعنونة بـ " فرص الدعم المتوفرة من قبل المركز الدولي لهندسة الجينات والتكنولوجيا الحيوية (ICGEB) " لأعضاء الهيئة التدريسية المسجلين فيها، وذلك يوم الخميس الموافق 2022/12/8.

لقد عكس أداؤكم المتميز عطاءكم الدائم وانتماءكم الصادق للجامعة الأردنية.

شاكرًا لكم تعاونكم وامتنيًا لكم التوفيق

عميد البحث العلمي



الأستاذ الدكتور فالح السوايعر

هاتف ٥٢٥٥٠٠٠ (٩٦٢-٦) داخلي ٢٥١٠٠ فاكس ٥٣٠٠٠٨١٥ (٩٦٢-٦) داخلي ٢٥١٢٠ عمان ١١٩٤٢، الأردن
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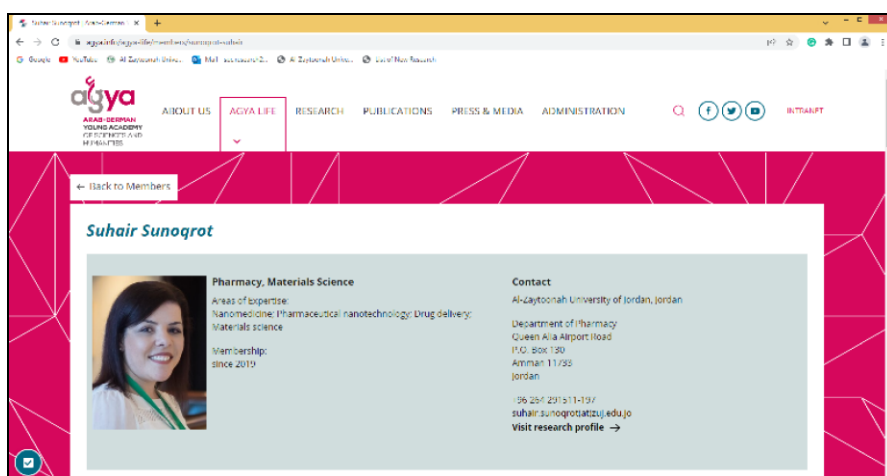
- In December 2022, Prof. Suhair Sunoqrot received the Ali AlQirem Prize for Distinguished Researchers in Health Sciences from Al-Zaytoonah University of Jordan.



1. A member of the Steering Committee of the Arab-German Young Academy of Sciences and Humanities (AGYA) in the year 2021-2022.

The Steering Committee manages the activities of AGYA. It consists of three Arab and three German members of AGYA, who are elected by the General Assembly for one year. One Arab and one German member of the six-person Steering Committee are elected to serve as Co-Presidents. Together with the other four members of the Steering Committee, they regularly represent AGYA at international conferences and actively engage in exchange with leading academic institutions in the Arab world and Germany.

2. A Member in Charge of the Working Group "Arab and German Education" of the Arab-German Young Academy of Sciences and Humanities (AGYA) in the years 2019-2022.
3. A Member in Charge of the Working Group "Health & Society" of the Arab-German Young Academy of Sciences and Humanities (AGYA) in the years 2020-2022.



4. a Judge in the Jordanian national competition of the International Science and Engineering Fair (ISEF) in the years 2020-2022.



- Dr. Thamer Ahmad Al-Rawashdeh from the software engineering department/ sciences and IT faculty worked as:
 1. a consultant for Accreditation and Quality Assurance Commission for Higher Education Institutions in the year 2022



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2. A member in Cigre – Paris



3. the Head of steel committee in Jordan Standards of Metrology Organization

4. a member of International Advisory Board of Jordan Journal of Mechanical and Industrial Engineering [Click Here \(Link\)](#)



5. a Member of board of directors of EPPM Association EPPM-Association: Officers 2020-2022 [Click Here \(Link\)](#)
6. a Member of the technical committee of the First Conference in Mechanical Engineering Science and Applications [Click Here \(Link\)](#)
7. a Member of the technical committee of The 7th International Conference on Advanced Materials Research [Click Here \(Link\)](#)





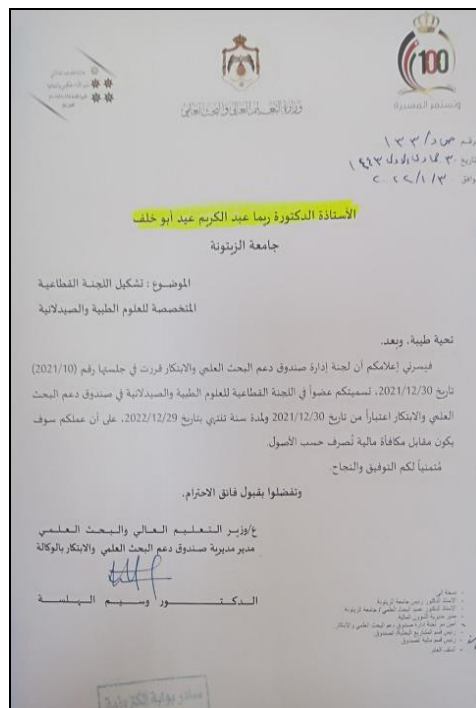
- 8. a Member in the steering committee of the IEEE Middle East & North Africa Communications Conference Advancing the Communication Vision [Click Here \(Link\)](#)
- 9. an Industrial Consultant for Jordan Engineer Association
- **Prof. Suhair Al-Ghabeesh from Nursing Department, Faculty of Nursing, worked as:**
 - 1. a member and Secretary of the High Specialty Committee (representative of private sector in Jordanian Nurses Council) from 2017 -present.



2. a member in Clinical Nurse Specialist committee/nephrology committee in Jordanian Nurses Council from 2016 - 2022.



3. a consultant to Philadelphia University as reviewer to several research projects in nursing since 2016.
- **Prof. Reema Abu Khalaf from Department of Pharmacy, Faculty of Pharmacy worked as:**
 1. An Editorial Board Member/ Jordan Journal of Pharmaceutical Sciences from 23-07-2020 until Now.
 2. a Member of the Sectorial Committee for Medical and Pharmaceutical Sciences of the Scientific Research and Innovation Support Fund/ Ministry of Higher Education from 30-12-2021 until Now.
 3. a Reviewer and Referee for Several International Journals from 2015 until Now.
 4. an Arbitrator for Several Academic Promotions from Inside and Outside Jordan from 2019 until Now.
 5. an Arbitrator for Several Scientific Research Proposals from different Universities from 2019 until Now.




• **Dr. Rima Hajjo from Pharmacy Department, faculty of Pharmacy worked as:**

1. Chief Scientist, Computational Chemical Biology, Office of the Advisor to his Majesty King Abdullah II in the year 2021 – present.
2. a Member of the Board of Directors in Jordan CDC (JCDC) in the year 2021 -present.
[Click Here \(Link\)](#)



3. an Adjunct Associate Professor at Eshelman School of Pharmacy (Top Pharmacy School in the United States), The University of North Carolina in Chapel Hill, in the year 2021 – Present. [Click Here \(Link\)](#)



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Tyrry Abramov, Ph.D.
TyrryAbramov@unc.edu
 Dr. Tyrry Abramov is an Executive Director of Computational Chemistry and Data Science at iStar Research Inc. with over 18 years of industrial experience. He has broad expertise in the area of Computational Drug Discovery and Development. He has a proven track record for developing new ideas and approaches from the concept stage to successful implementation. His current interests include but are not limited to computational pharmaceutical solid state chemistry.

Stephen Capuzzi
scapuzzi@gmail.com
 Stephen J. Capuzzi is currently a Senior Research Scientist in Data & Computational Sciences at Vertex Pharmaceuticals. His research interests span small molecule drug discovery, cheminformatics, chemical data science, computational chemistry, and machine learning. He was named an American Chemical Society Division of Medicinal Chemistry Young Investigator in 2021.

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 Thomas Passaranti Professor, Department of Biochemistry & Molecular Biology
 Scientific Program: Experimental Therapeutics
 Dr. Dokholovyan is the Vice Chair for Research, Departments of Pharmacology and Biochemistry & Molecular Biology at Penn State College of Medicine. The mission of his lab is to develop and apply integrative computational and experimental strategies to understand, sense and control misfolded proteins in order to uncover the etiologies of human neurodegenerative diseases and develop therapeutics to fight them.

Sean Ekins, Ph.D.
sean@collaborationschema.com
 Sean has over 26 years experience in pharmaceutical drug discovery. He graduated from the University of Aberdeen, receiving his M.Sc., Ph.D. in Clinical Pharmacology and B.Sc. in Science. He is currently Founder and CEO of Collaborations Pharmaceuticals, Inc. for which he has raised >\$1.5M in grant funding and which is focused on using machine learning approaches for rare and neglected disease drug discovery.

Makuo Goto
gato@med.unc.edu
 Dr. Makuo Goto's research focuses on chemical biology of cell cycle regulation and multidrug-resistant phenotype in cancer using small molecules inspired by unique natural products.

Rima Hajjo, PhD, M.S., PharmD
hajjo@unc.edu
 Dr. Hajjo is a computational scientist with over 10 years of industrial experience in drug discovery and development. She also worked as a Solutions Scientist at Thomson Reuters IP & Science. Currently, Dr. Hajjo is an Assistant Professor at Al-Zaytoonah University of Jordan, a Board Member at the Jordanian Center for Epidemiology and Disease Control, and a Chief Scientist in Computational Chemical Biology at the Office of the Adjunct Professor, Kripa Anandakrishnan. Dr. Hajjo has a PhD degree in Pharmaceutical Sciences from UNC-CH and a post-graduate degree in Bioinformatics from Harvard University.

- **Prof. Khaled Hassan & Dr. Marwa Al Barmawi, from Nursing Department /Faculty of Nursing are Reviewer for the following Journals:**

1. Journal of Psychological Reports (ISI listed, Scopus)
2. Journal of Traumatic Stress (ISI listed, Scopus)
3. Asia-Pacific Journal of Oncology Nursing (isi)

- **Prof. Khaled Hassan joint the American Nurses Credentialing Center (ANCC) [Click Here \(Link\)](#)**
- **Dr. Belal Mahmoud AlWadi from: Basic Sciences (Humanities and Scientific) department, faculty of Arts, worked as:**

4. Judge and Consultant at Hult Prize Global Award - The Crown Prince Foundation, in the year from 2020 – Now. [Click Here \(Link\)](#)



5. a Consultant and member of the founding Committee of the Arab Holding Group for Food Security - Council of Arab Economic Unity - League of Arab States, in the year from 2020 – Now. [Click Here \(Link\)](#)
6. an Expert in Entrepreneurship and innovation at American management institute (AMI) – American Group for Managing Educational Projects (AGMEP) United States, in the year from 2020 – Now. [Click Here \(Link\)](#)
7. a Founder and Vice-President – Jordanian Association for Entrepreneurship, in the year from 2013 – Now.
8. a Consultant and member of the founding Committee of the Arab Trainers Union - League of Arab States, in the year from 2013 – Now.

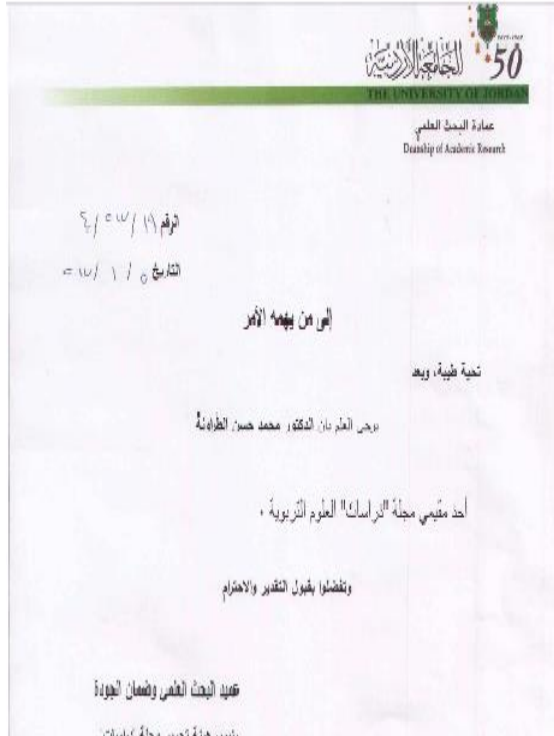
9. a Co-Founder of MIAMI business solutions company (non-profit organization) , in the year from 2022 – Now.
10. a Consultant at the Global Digital for Entrepreneurship Development Platform (EntreViable) a London based company, in the year from 2021 – Now. [Click Here \(Link\)](#)
11. A Chairman of the Entrepreneurship and Innovation Committee (Jordan Representative) Arab Youth Council for Integrated Development - League of Arab States, in the year from 2017 – Now. [Click Here \(Link\)](#)
12. a Senior consultant for Learning and Development at LEVENBERT® group for Consulting and Management Studies (Singapore, Oman & UAE), in the year from 2017 – 2021.
13. a Reviewer of American Journal of Management Science and Engineering (AJMSE) ISSN Print: 2575-193X; ISSN Online: 2575-1379, in the year from 2021 – 2023.



- **Dr. Mohammad Hasan Al-Tarawneh from: Educational Sciences/ Classroom Teacher/Faculty of Arts/Al-Zaytoonah University of Jordan, worked as:**

1. A Consultant and Member of the Evaluation Team of the Queen Rania Al Abdullah Award for Excellence in Education (Accredited Evaluator for the Excellence Teacher Award, since 2021 until this date).
2. A Editorial board member of the International Journal of Scholars in Education: IJSE, since 2019 until this date.
3. A Evaluator board member of the Journal of Dirasat: Educational Sciences, Jordanian university, since 2017 until this date.
4. A Member of the Jordanian Society for Scientific Research, Entrepreneurship and Creativity (JSSREC), since 2019 until this date.





- **Dr. Loai M. Dabbour from department of Architecture, faculty of Architecture and Design Worked as a:**

1. Member in Scientific Societies and Associations:

- a. Royal Institute of British Architects (RIBA-II) - UK
- b. Architects Registration Board (ARB-II) – UK
- c. Jordanian Engineering Association (JEA)
- d. Jordanian Architects Society (JAS)

2. Member in the International scientific committee for Med Green Forum (Mediterranean Architecture and Green-Digital Transition), University of Florence / Florence- Italy, 20-22 July 2022.

3. A peer reviewer for:

- a. Environmental Science and Pollution Research (ISI, Scopus Journal)
- b. Journal of Asian Architecture and Building Engineering (ISI, Scopus Journal)
- c. Heritage Science Journal (ISI, Scopus Journal)

4. as Curriculum consultant for Turquoise Mountain Foundation / Afghanistan Head of board of Trustees HRH Prince Charles (UK)



- **Dr. Malakeh.Z. Malak from Nursing Department / Faculty of Nursing worked as:**

1. Membership in Scientific Societies and Associations

- a. Council of Asian Science Editors (CASE) membership NO# 535. Member in External Affairs Committee. [Click Here \(Link\)](#)
- b. International Health Literacy Association (IHLA)
- c. American Psychological Association International Affiliate Membership
- d. Consultant for United Nations Relief and Works Agency for Palestine Refugees (UNRWA) / AMMAN in matters related to adolescent health especially issues related to early marriage and lifestyle.
- e. Jordan Society for Scientific Research, Entrepreneurship, and Creativity (JSSREC)

2. Editorial Board

- a. Editorial Board member of Journal of Modern Nursing Practice and Research
- b. Editorial Board member in Journal of Nursing Care & Reports.
- c. Editorial Board Member of The JYR (The Journal for Young Researchers)
- d. Editorial Board member of the International Journal of Clinical Nursing & Care.
- e. Editorial Board member of Journal of Obstetrics, Gynecology and Women's Health.
- f. Editorial Board member of Journal of Advances in Midwifery and Nursing Practices.
- g. Editorial Board member of Syntax Journal of Health Care and Nursing.
- h. Editorial Board member of Women, Mother, and Child Healthcare Innovations journal
- i. Editorial Board member of Applied Psychiatry
- j. Editorial Board member of Journal of Applied Life Sciences International
- k. Editorial Board member of SM Addiction Research & Therapy
- l. Editorial Board member of Open Access Journal of Biogeneric Science and Research.
- m. Editorial Board member of Global Journal of Health Science and Nursing
- n. Editorial Board member of Integrative Journal of Global Health
- o. Editorial Board member of UPI Journal of Pharmaceutical, Medical and Health Sciences (UPI-JPMHS)
- p. Editorial Board member of Asian Journal of Research and Reports in Hepatology

q. Editorial Board Member of Madridge Journal of Internal and Emergency Medicine

• **Professor IQBAL H. JEBRIL from Mathematics Department, faculty of Science and Information Technology Worked as:**

1. Editor-in-Chief: International Journal of Advances in Soft Computing and Its Applications (IJASCA) [Click Here \(Link\)](#) (SCOUPS) from 2011 until now
2. Guest editor: International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems (World Scientific Publishing), special Issues on "Fuzzy optimization and algorithms in autonomous systems" Impact factor (1.518) in the year 2020. from 2020 until 2022
3. Guest editor: Journal of Intelligent Systems (De Gruyter), special Issues on "HYBRID FUZZY SYSTEMS FOR MOBILE ROBOTS AND THEIR APPLICATIONS" (Emerging Sources Citation Index) and (Scopus Index). from 2020 until 2022
4. Guest editor: Soft Computing (Springer) special Issues on "Evolution of predictive modelling and AI for modern Healthcare computing", Impact factor 3.643 (2020). from 2020 until now
5. Guest editor: Journal Automatika (Taylor & Francis) special Issues on "Cognitive Computing in Intelligent Autonomous Systems" , Impact factor (1.156) in the year 2020. from 2021 until 2022.
6. Guest editor: Computational Intelligence (Wiley) Hybrid Control of Autonomous Mobile Robots: Architectures, Algorithms and Applications Impact factor:2.330. from 2020 until 2022
7. Chief Organizer: International Center for Scientific Research and Studies (ICSRS) [Click Here \(Link\)](#)

8. Editor-in-Chief: International Journal of Open Problems in Computer Sciences and Mathematics <http://www.ijopcm.org> (EBSCO) from 2009 until now
 9. Editor-in-Chief: International Journal of open Problems in Complex Analysis (IJOPCA) [Click Here \(Link\)](#) from 2010 until now
 10. Guest editor: Journal of Administrative Sciences and Fintech (JASF). [Click Here \(Link\)](#) from 2020 until now
- **Dr Maha Subih, Nursing School -Al Zaytoonah University of Jordan.**



SDG 17 Relationships to support the goals

SDG 17.2.2 Cross sectoral dialogue about SDGs

Cross-sectoral dialogue on Sustainable Development Goals (SDGs) at Al-Zaytoonah University of Jordan brings together stakeholders from academia, government, business, civil society, and local communities. This inclusive approach is vital for addressing the complexities of sustainability in a way that promotes collaborative solutions.

Diverse Stakeholder Engagement: Al-Zaytoonah University invites a wide array of representatives, including government officials, industry leaders, NGO members, community stakeholders, and academic experts. This diversity provides a well-rounded view of sustainability challenges and fosters innovative approaches.

Regular Forums and Events: Through frequent seminars, conferences, workshops, and public lectures, the university creates open platforms for discussing SDG-related issues and sharing knowledge. These events, often open to the public, support ongoing collaboration and learning.

Interdisciplinary Approach: Faculty and students from various disciplines are encouraged to engage in SDG research, teaching, and projects. This cross-disciplinary approach enables the university to tackle SDG challenges more comprehensively, leveraging insights from different fields.

Local and Global Perspectives: Recognizing the interconnectedness of local and global SDG efforts, Al-Zaytoonah University emphasizes both perspectives. Discussions often address how local initiatives can contribute to global SDG goals, and vice versa.

Collaborative Research Projects: The university promotes collaborative research that involves stakeholders across sectors, allowing teams to address specific SDG-related issues and develop actionable solutions.

Policy Advocacy and Influence: By engaging with government officials and policymakers, Al-Zaytoonah leverages its research expertise to advocate for SDG-aligned policies, aiming to impact decision-making at various levels.

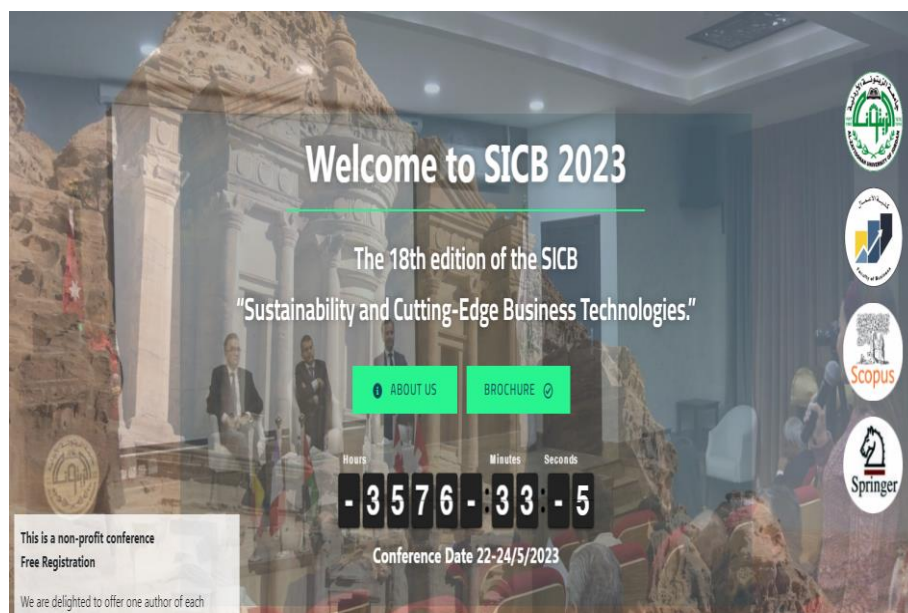
Community Engagement: The university actively involves the local community in SDG initiatives, working alongside community members to identify sustainability challenges and collaboratively develop solutions.

Monitoring and Reporting: Al-Zaytoonah has established mechanisms to track and report progress toward SDG goals, both within the university and in the broader community. Regular reporting provides transparency and allows for measurement of the impact of these cross-sectoral initiatives.

- **Events related to environment and sustainability**



Engineering for sustainable development in Jordan

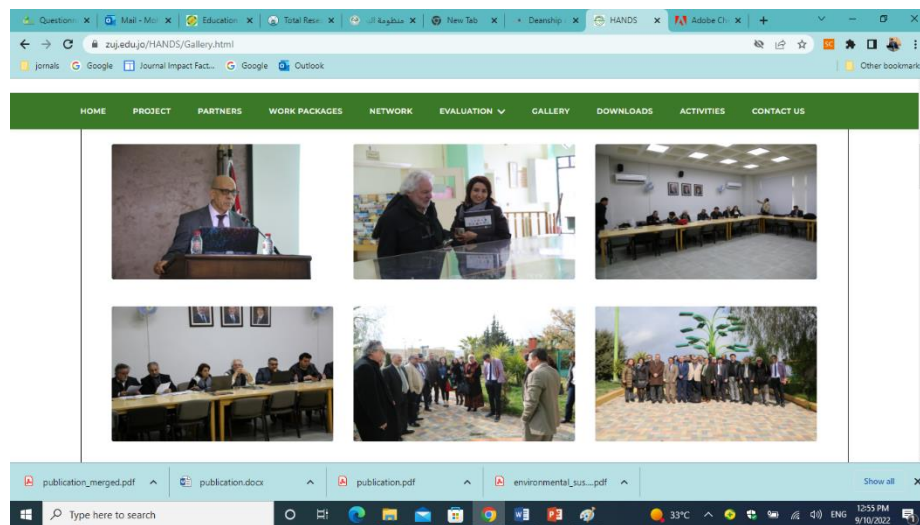


"Sustainability and Cutting-Edge Business Technology (SICB23)."



The 11th International Conference on Information Technology (ICIT)

Cybersecurity Challenges for Sustainable Cities

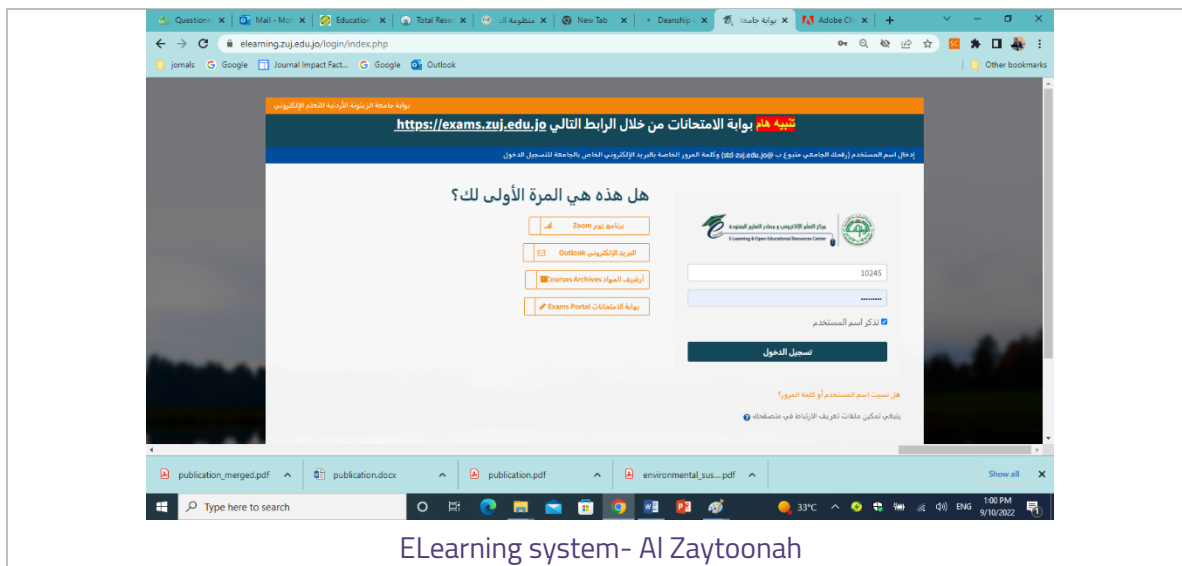


Hands Project

<https://www.zuj.edu.jo/HANDS/Gallery.html>

traditional craft Heritage trAining, design and marketing in jorDan and Syria (HANDS)

The Project Aims To Adopt A Policy Of Traditional Craft Vocational Rehabilitation Of A Qualitative High Level Of Education By Linking Them With University Higher Education Courses, Mainly Architectural Design, Interior Design, Conservation And Preservation Of Architectural Heritage, In Order To Develop The Methodologies, Mechanisms And The Conditions Necessary For Knowledge Transformation And Success And To Enhance The Traditional Craft Working Environment. For That, Establishing This Project In The ME Countries, Will Control And Reform The Education And Training Of Traditional Crafts In The Right Direction Towards The Needs And Requirements Of Labour Markets, Inside And Outside ME



— **Activities organized by student organizations related to sustainability 2021-2022**













Topics



- Three faculty members from Al Zaytoonah University delivered speech in Webinar: “Sustainability after COVID-19: Can the global Green New Deal movement survive the pandemic?” [Click Here \(Link\)](#)
- Al Zaytoonah University has been distinguished in 2023 UI GreenMetric World University Rankings Results [Click Here \(Link\)](#)



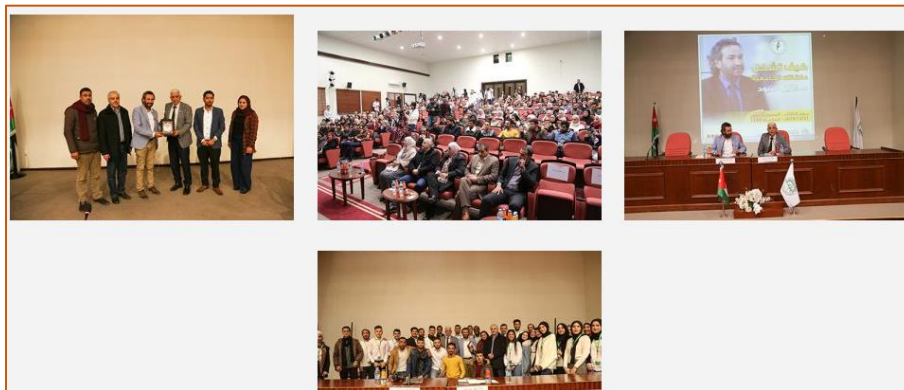
- A dialogue between Higher Education Minister and Jordanian universities' Chancellors about SDGs. حوار وزير التعليم العالي مع رؤساء الجامعات الاردنية [Click Here \(Link\)](#)



- Al-Zaytoonah University of Jordan debate team participates in the "Parliamentary Freedoms" meeting فريق مناظرات جامعة الزيتونة الأردنية يشارك في لقاء "الحريات النيابية" [Click Here \(Link\)](#)
- An introductory symposium on Fulbright Program at Al-Zaytoonah University of Jordan ندوة تعريفية ببرنامج فولبرايت في جامعة الزيتونة الأردنية [Click Here \(Link\)](#)



- A lecture at Al-Zaytoonah University of Jordan entitled “How to shape your university relationship” محاضرة في جامعة الزيتونة الأردنية بعنوان “كيف تشكل علاقتك الجامعية” [Click Here \(Link\)](#)



- Hands: Course Committee Meeting with Stakeholders [Click Here \(Link\)](#)



- Meeting with the President of the Accreditation Commission and the chancellors of Private universities addressing SDGs
لقاء رئيس هيئة الاعتماد و رؤساء الجامعات الخاصة

[Click Here \(Link\)](#)

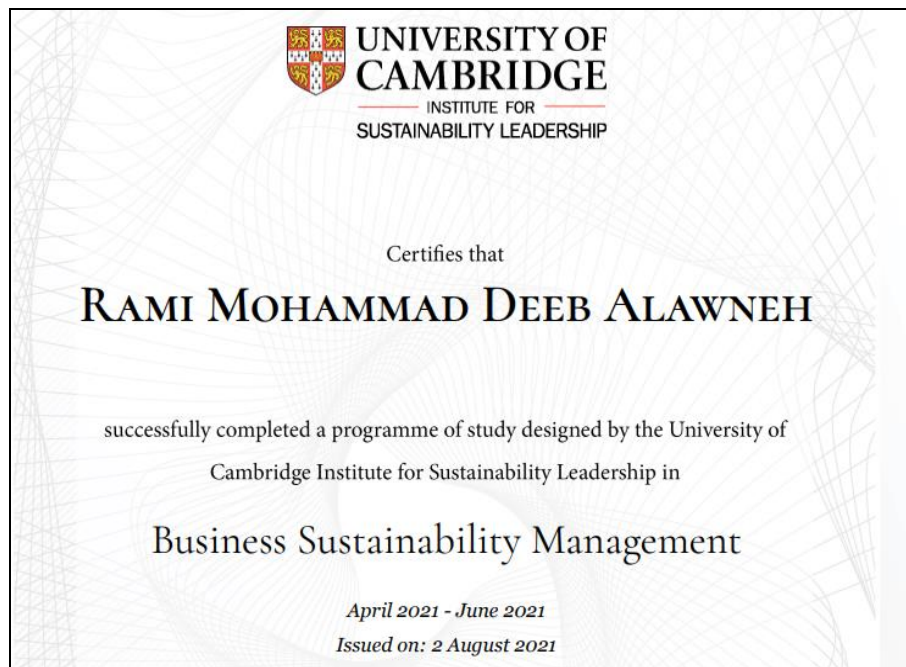


- UI GreenMetric International Webinar Series: "Sustainable University Effort " [Click Here \(Link\)](#)
- The United Nations Global Compact–Accenture CEO Sustainability Study [Click Here \(Link\)](#)
- Dr.Rami Alawneh, Dr. Ismael Jannoud, and Dr.Hesham Rabayah authored the manuscript titled: "Developing a Novel Index for Assessing and Managing the

Contribution of Sustainable Campus to Achieve UN SDGs” and has been accepted in SDGs (ISSN 2071-1050)



- Dr.Rami Alawneh, has successfully completed a programme of study designed by the University of Cambridge Institute for Sustainability Leadership in Business Sustainability Management.



– Conferences organized by Al Zaytoonah University:

1. "International Week for International Relations.
2. "The Scientific Conference for Postgraduate Students (Contributions towards Excellence and Creativity).
3. The International Conference on Information Technology (ICIT) [Click Here \(Link\)](#)
4. The International Pharmaceutical Conference [Click Here \(Link\)](#)

6. The 11th International Conference on Information Technology (ICIT 2023) will be held on 10th-11th August 2023 in Amman, Jordan. The al-Zaytoonah University of Jordan organizes this Conference in cooperation with the Scientific Research Group in Egypt (SRGE) and is technically co-sponsored by IEEE. [Click Here \(Link\)](#)

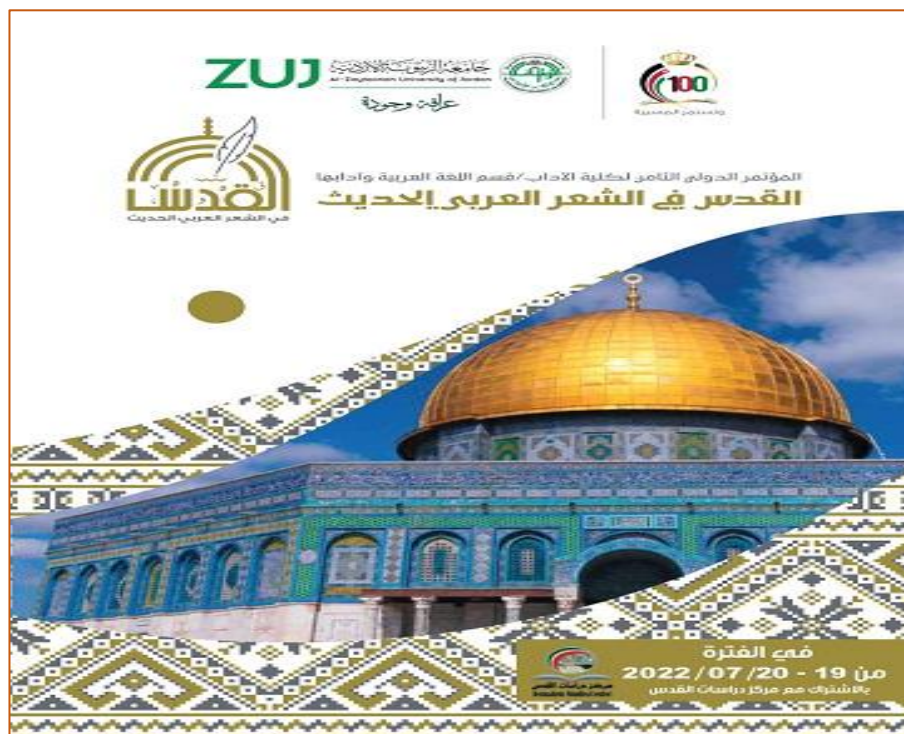


**THE 11TH INTERNATIONAL CONFERENCE ON INFORMATION TECHNOLOGY
(ICIT 2023)**

CYBERSECURITY CHALLENGES FOR SUSTAINABLE CITIES

The 11th International Conference on Information Technology (ICIT 2023) will be held on 10th-11th August 2023 in Amman, Jordan. The al-Zaytoonah University of Jordan organizes this Conference in cooperation with the Scientific Research Group in Egypt (SRGE) and is technically co-sponsored by IEEE. The Conference will bring together the top researchers worldwide to exchange their research results and address open issues in Cybersecurity, Artificial Intelligence and Data Science, Software Engineering, E-Technologies, Computer Vision and Multimedia Systems, Mathematical Modeling and Analysis, Smart Technologies and Sustainability, and Computer Engineering. All papers must be written in English and will be reviewed by the technical committees of the Conference. All accepted papers will be submitted for inclusion in the IEEE Xplore Digital Library as well as Scopus. Authors of selected papers will also be invited to prepare extended papers of their work for publication in the International Journal of Advances in Soft Computing and its Applications (IJASCA).

7. Jerusalem in New Arabic Poetry". [Click Here \(Link\)](#)



8. The Creative Student Forum ". (Organized by the Arab Council for Training Arab University Students in cooperation with Al-Zaytoonah University of Jordan).

SDG 17 Relationships to support the goals**SDG 17.2.3 International collaboration data gathering for SDG**

Al-Zaytoonah University actively engages in international partnerships to collect and share data relevant to the Sustainable Development Goals (SDGs). These collaborations are essential for developing a robust data ecosystem that informs policy, guides sustainable development initiatives, and enables data-driven decision-making. Through partnerships with global organizations, academic institutions, and research centers, the university contributes to and benefits from a shared repository of knowledge and best practices on SDG progress.

Examples of international collaboration in data gathering for SDG at Al-Zaytoonah University include:

- **Joint Research Projects:** Partnering with universities and research institutions globally to collect, analyze, and share data related to SDGs such as health, education, and environmental sustainability.
- **Participation in Global SDG Data Networks:** Joining international SDG data networks that facilitate the exchange of methodologies, tools, and findings to standardize and improve data quality across institutions and borders.
- **Workshops and Conferences on Data and SDGs:** Hosting and attending international workshops and conferences to present research, discuss data collection challenges, and learn from other institutions' successes in data-driven SDG tracking.
- **Data Sharing Agreements with International Organizations:** Establishing agreements with UN agencies, NGOs, and other international bodies to share data, enhance data accuracy, and contribute to global SDG databases that monitor progress and drive action.

- **Define Objectives:** Al Zaytoonah university clearly defines the objectives of the data gathering effort, as well determines which specific SDGs or targets the collaboration will focus on and establish clear research questions or indicators to measure progress.
- **Data Collection Framework:** Al Zaytoonah university develops a comprehensive data collection framework that outlines the data sources, methodologies, and data management procedures. It ensures alignment with global SDG indicators and standards.
- **Capacity Building:** Al Zaytoonah university offers training and capacity-building programs to ensure that all partners are proficient in data collection, analysis, and reporting.
- **Quality Assurance:** Al Zaytoonah university has been already awarded the quality assurance certificates for most academic programs by AQACHEI, as well it implements a rigorous quality assurance and validation process to ensure the accuracy and reliability of the data collected according to the international criteria. [Click Here \(Link\)](#)
- **Regular Communication and Reporting:** Al Zaytoonah university maintains regular communication with international partners to share progress updates, challenges, and findings. Collaborate on joint reports and publications to disseminate research results and policy recommendations.

Foreign Relations Office is the international arm of the university. It manages the university's international operations, agreements, grants, endowments, scholarships and academic exchange and study abroad programs. It also enriches the university campus by organizing and contributing to international conferences, forums, workshops and seminars. [Click Here \(Link\)](#)

– The purposes of signing agreements with universities abroad are basically aims at:

1. Exchange of students and faculty members.
2. Exchange of academic information, research materials and publications
3. Planning for joint exploration of national and international funding opportunities to accomplish the aims of cooperative agreements between institutions.

ملاحظات	تاريخ نهاية الاتفاقية	تاريخ توقيع الاتفاقية	جهة الاتفاقية	الكلية / الدائرة	موضوع الاتفاقية	ت
Cairo, Egypt	5 years	2022	Misr University For Science and Technology	Office of International Relations	Academic and Student Exchange	.1
Cairo, Egypt	5 years	2022	Obour institutes	Office of International Relations	Academic and Student Exchange	.2
Fayoum, Egypt	5 years	2022	Fayoum University	Office of International Relations	Academic and Student Exchange	.3
Beni Suef, Egypt	5 years	2022	Nahda University	Office of International Relations	Academic and Student Exchange	.4
Zagazig, Egypt.	5 years	2022	Zagazig University	Office of International Relations	Academic and Student Exchange	.5
Menoufia, Egypt	5 years	2022	Menoufia University	Office of International Relations	Academic and Student Exchange	.6

ملاحظات	تاريخ نهاية الاتفاقية	تاريخ توقيع الاتفاقية	جهة الاتفاقية	الكلية / الدائرة	موضوع الاتفاقية	ت
Tanta, Egypt	5 years	2021	Tanta University	Office of International Relations	Academic and Student Exchange	.7
Hebron, Palestinian	5 years	2022	Polytechnic University	Office of International Relations	Academic and Student Exchange	.8
Birzeit, Palestinian	5 years	2022	Birzeit University	Office of International Relations	Academic and Student Exchange	.9
Nablus, Palestinian	5 years	2022	An-Najah National University	Office of International Relations	Academic and Student Exchange	.10
Ramallah, Palestinian	5 years	2022	Al-Quds Open University	Office of International Relations	Academic and Student Exchange	.11
Al-Quds, Palestinian	5 years	2022	Al-Quds University - Abu Dis	Office of International Relations	Academic and Student Exchange	.12
Tulkarm, Palestinian	5 years	2022	Palestine Technical	Office of International Relations	Academic and Student Exchange	.13

ملاحظات	تاريخ نهاية الاتفاقية	تاريخ توقيع الاتفاقية	جهة الاتفاقية	الكلية / الدائرة	موضوع الاتفاقية	ت
			University _ Kadoorie			
Jenin, Palestinian	5 years	2022	Arab American University	Office of International Relations	Academic and Student Exchange	.14
Ramadi, Iraq	5 years	2022	University of Anbar	Office of International Relations	Academic and Student Exchange	.15
Erbil, Iraq	5 years	2022	Salahaddin University-Erbil	Office of International Relations	Academic and Student Exchange	.16
Sulaimani, Iraq	5 years	2022	University of Sulaimani	Office of International Relations	Academic and Student Exchange	.17
Ras al Khaimah, UAE	5 years	2022	American University of Ras al Khaimah	Office of International Relations	Academic and Student Exchange	.18
Al Ain, UAE	5 years	2022	Al Ain University of Science and Technology	Office of International Relations	Academic and Student Exchange	.19

ملاحظات	تاريخ نهاية الاتفاقية	تاريخ توقيع الاتفاقية	جهة الاتفاقية	الكلية / الدائرة	موضوع الاتفاقية	ت
Nizwa, Sultanate of Oman	5 years	2022	Nizwa University	Office of International Relations	Academic and Student Exchange	.20
Sohar, Sultanate of Oman	5 years	2022	Sohar University	Office of International Relations	Academic and Student Exchange	.21
Al Sharqiyah, Sultanate of Oman	5 years	2023	Al Sharqiyah University	Office of International Relations	Academic and Student Exchange	.22
Taiz, Yemen	5 years	2023	Al-Saeed University	Office of International Relations	Academic and Student Exchange	.23
رومانيا	5 years	09/12/2021 Valid	جامعة فاسيل جوليز اراد الغربية/ ERASMUS+	مكتب العلاقات الدولية	تبادل اكاديمي وطلابي	.24
تركيا	5 سنوات	14/11/2021 Valid	جامعة سليمان ديميريل التركية MOU/	مكتب العلاقات الدولية	تبادل اكاديمي وطلابي	.25
تركيا	-	14/11/2021 Valid	جامعة سليمان ديميريل التركية Mevlana/	مكتب العلاقات الدولية	تبادل اكاديمي وطلابي	.26

ملاحظات	تاريخ نهاية الاتفاقية	تاريخ توقيع الاتفاقية	جهة الاتفاقية	الكلية / الدائرة	موضوع الاتفاقية	ت
العراق	-	26/10/2021 Valid	كلية الحداثة MOU/ الجامعة	مكتب العلاقات الدولية	تبادل اكاديمي وطلابي	.27
العراق	-	26/10/2021 Valid	كلية اقتصاديات الأعمال / جامعة النهرين MOU/	مكتب العلاقات الدولية	تبادل اكاديمي وطلابي	.28
مصر	سنتين	04/11/2021 Valid	معهد بحوث الإلكترونيات MOU/	مكتب العلاقات الدولية	تبادل اكاديمي وطلابي	.29
مصر	-	03/10/2021 Valid	المدرسة العلمية البحثية المصرية MOU/	مكتب العلاقات الدولية	تبادل اكاديمي وطلابي	.30
رومانيا		09/12/2021 Valid	جامعة فاسيل جوليز اراد الغربية/ ERASMUS+	مكتب العلاقات الدولية	تبادل اكاديمي وطلابي	.31
تركيا	5 سنوات	14/11/2021 Valid	جامعة سليمان ديميريل التركية MOU/	مكتب العلاقات الدولية	تبادل اكاديمي وطلابي	.32
تركيا	-	14/11/2021 Valid	جامعة سليمان ديميريل التركية Mevlana/	مكتب العلاقات الدولية	تبادل اكاديمي وطلابي	.33

- Al-Zaytoonah University Of Jordan Signed A Cooperation Agreement With Queen's University Of Belfast To Under The Tittle "Knowledge Transfer "[Click Here \(Link\)](#)



– Vocational Training Diploma on Electrical and Hybrid Vehicles (ECO-CAR)

Dr. Loai Dabbour from Faculty of Architecture and Design at ZUJ is acting as the project coordinator on this European Union / Erasmus Plus funded project. ECO-CAR is a 3-years project that started on the 15th January, 2021.

This project is responding to the emerging needs and challenges in Jordan. This includes climate change, the low employment rate of engineers, the gap between workforce supply and demand, the rapidly growing market of Electric vehicles and Hybrid vehicles (EV and HEV), and the need for servicing and maintaining them.

The main scope is to equip the engineers with the needed practical skills in the field of EV and HEV and qualify them for local, regional, and international markets, by developing a professional diploma and integrating some of these courses within existing programs. Through this diploma, students will get the needed skills to maintain and operate Electric and Hybrid vehicles with appropriate knowledge in the fields of climate change, vehicle manufacturing systems, and life cycle assessment.

The envisaged impacts within this project include:

- Increase the employability of Engineers in Local, Regional and International Market

- Reduce air pollution and mitigate climate change impact on Jordan, through increasing the use of EV/HEV
- Enhance the quality of the vocational training provided in the vocational training centers, through employing the trained engineers in those centers ■ Improve the level of provided services for repairing and maintaining electric and Hybrid vehicles in Jordanian enterprises.
- Satisfying industry and economical needs by empowering engineers.
- Helping to move Jordan forward to become a host for the Electrical and Hybrid vehicles industry in future
- Memorandum of Understanding for Academic Cooperation between Al-Zaytoonah University of Jordan and AL-Wasl University/ UAE.
- Memorandum of Understanding for Academic Cooperation between Al-Zaytoonah University of Jordan and Department of the National Library.
- Memorandum of Understanding for Academic Cooperation between Al-Zaytoonah University of Jordan and America-Mideast Educational and Training Services,Inc. (Office in Jordan (Amideast/ Jordan).
- Memorandum of Understanding for Academic Cooperation between Al-Zaytoonah University of Jordan and Jordan River Academy JRA .
- Memorandum of Understanding for Academic Cooperation between Al-Zaytoonah University of Jordan and MAS Al-Safi Apparel Manufacturing (LLC).
- Memorandum of Understanding for Academic Cooperation between Al-Zaytoonah University of Jordan and Queen Raina Teacher Academy.
- Memorandum of Understanding for Academic Cooperation between Al-Zaytoonah University of Jordan and Philadelphia National Schools.

- Memorandum of Understanding for Academic Cooperation between Al-Zaytoonah University of Jordan and Central Bank of Jordan.

Partners:

Jordanian partners:

- The University of Jordan
- Al-Zaytoonah University of Jordan
- Jordan University of Science and Technology
- Mutah University
- Tafila Technical University
- Al-Balqa Applied University
- Al-Hussein bin Abdullah II Technical University
- Applied Science University

European partners:

- Technische Hochschule Ostwestfalen-LIPPE - Germany
- Rheinisch-Westfaelische Technische Hochschule Aachen - Germany
- Universidad de la Iglesia de Deusto - Spain
- Budapesti Muszaki es Gazdasagtudományi Egyetem – Hungary
- National Technical University of Athens - Greece
- Universita of L'Aquila – Italy

SDG 17

Partnerships for the Goals




Co-funded by the
Erasmus Programme
of the European Union

Al-Zaytoonah University of Jordan





- Al-Zaytoonah University of Jordan was founded in 1993.
- It is one of the leading private universities in Jordan.
- It is accredited by the Jordanian Ministry of Higher Education & Scientific Research.

ERASMUS+ Programme – ECO-CAR Project Number: 618509-EPP-1-2020-1-JO-CPPKA2-CDHE-IP





Traditional Craft Heritage Training, Design and Marketing in Jordan and Syria (HANDS)

Dr. Loai Dabbour is acting as the project general coordinator on this European Union / Erasmus Plus funded project. HANDS is a 4-years project that started on the 15th November, 2019.

Based on the existence of master craftsmen practitioners of traditional crafts in Jordan, and Syria, this creates an opportunity to house these crafts in academic programs in these countries which has a market that demand for such crafts.

By that we aim at:

- Preserve the traditional craft experience and knowledge from being lost.
- Transfer the vast craft experience and knowledge into academic vocational courses in higher education.
- Develop the managerial and marketing skills of master craftsmen through courses that addresses the market needs - Assist the transfer of experience of current master craftsmen vocational skills via training courses to partner countries in which it will help in creation of common adapted model of vocational skills training courses

- Enriching vocational skills and training experience with EU teaching vocational skills training experience
- Establishing connections between the academic education and the society-Establishing heritage craft centres will be established during the project lifetime. and sustain it via links to the craft market in the region.
- EU partners will help in training, design and marketing strategies of craft heritage projects which is essential to transfer this knowledge and experience to ME.
- Encouraging an appreciation of the universal values that are fundamental to the world's great artistic traditions.
- The regeneration of the arts and crafts on an international level through both research and projects.
- An extensive network of relationships with Master practitioners of the world's great artistic traditions which mutually benefit the students and the craftsmen in their working environments.

Partners:

Jordanian Partners:

- Al-Zaytoonah University of Jordan
- University of Jordan
- Hashemite University
- Jordan University of Science and Technology
- Karmeh Design Studio

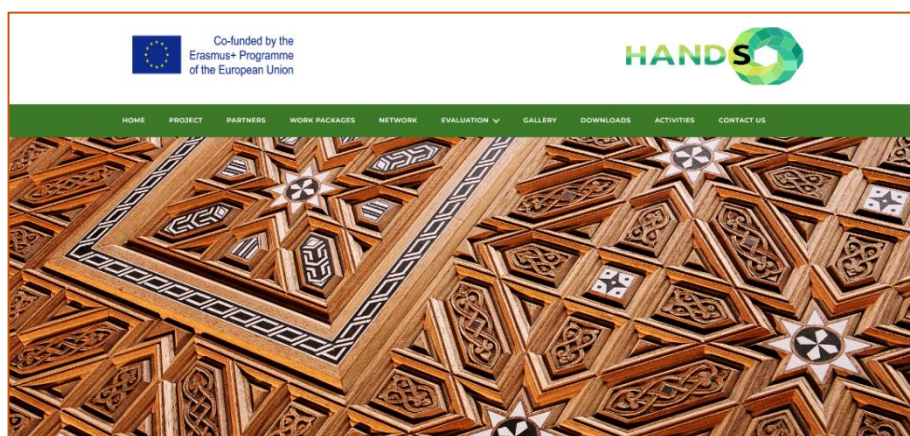
Syrian Partners:

- Manara University

- Tishreen University
- Al Baath University

European Partners:

- Blue Room Innovation – Spain
- World University Services of the Mediterranean-WUSMED - Spain
- CESIE – Italy
- Ununiversita Degli Studi Di Firenze - Italy
- Universita Degli Studi Guglielmo Marconi – Telematica - Italy
- Technische Hochschule Ostwestfalen-LIPPE – Germany





Development of Environment Engineering and injection of climate change concept for Undergraduate curriculum: EU experience for Jordan and Syria (EGREEN)

Dr. Loai Dabbour is acting as the project coordinator on this European Union / Erasmus Plus funded project. EGREEN started on the 15th November, 2016 and ended on 2020.

The project aims to ensure that the universities in Jordan and Syria can offer a high quality education compatible with European standards and meets the market needs of the emerging knowledge-based society by strengthening environmental teaching. Also EGREEN aims to introduce the concept of environmental and climate change issues in order to graduate professional leaders who can meet market needs of the country as well as it will develop and

Partnerships for the Goals

integrate a bachelor degree program with an appropriate laboratory component in environment jointly taught by universities in Jordan and Syria and brought into line with the Bologna requirements.

This project will engage faculty in the development of interactive instruction techniques for lectures and laboratory courses and sharing experiences with EU partner universities and it will develop and implement course content for undergraduate students.

Project direct aim is to enhance the capacity and enable Jordanian and Syrian partner universities to develop the modules of environmental engineering for undergraduate programs with state of the art educational technologies. EGREEN will thus contribute to a sustainable outcome that will promote curriculum reform in engineering education and leave a longer-term legacy for Jordanian and Syrian universities.

All project's partners have a rich experience and successful track record and active participation in Tempus projects which will ensure that the consortium will achieve EGREEN objectives.

It is envisaged that these specific objectives will contribute to a sustainable outcome that will promote curriculum reform in environmental engineering education and leave a longer-term legacy for both Jordanian and Syrian Partner universities.

Partners:

Jordanian Partners

- University of Jordan
- Al-Zaytoonah University of Jordan
- Al-Albayt University
- German Jordanian University
- Jordan University of Science and Technology
- Mutah University



Syrian Universities

- Al Baath University
- Aleppo University
- Tishreen University

European partners:

- Paulo & Beatriz – Consul Tores Associados Lda – Portugal
- Universidade Catolica Portuguesa - Portugal
- Technische Universitaet Hamburg-Harbug - Germany
- Hochschule Ostwestfalen-Lippe - Germany
- University of Innsbruck - Austria

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Co-funded by the
Erasmus+ Programme
of the European Union

Development Of Environmental Engineering Courses And Injection Of Climate Change Concepts For Undergraduate Curriculum (EGREEN)

The project aims to ensure that the universities in Jordan and Syria can offer a high quality education compatible with European standards and meets the market needs of the emerging knowledge-based society by modernising their 'environment' curricula, developing and implementing a sustainable bachelor degree programme. Also, EGREEN aims to introduce the concept of climate change in order to graduate professional leaders who can meet market needs of the country as well as it will Develop and integrate a bachelor degree program with an appropriate laboratory component in environment, and by benefit by universities in Jordan and Syria and brought into line with the Bologna requirements.

EGREEN Objectives:

- Develop, integrate, accredit and evaluate some courses in a bachelor degree program with an appropriate laboratory component in environment (mostly taught by universities in Jordan and Syria) and brought into line with the Bologna requirements.
- Engage faculty in the development of interactive instruction techniques for lectures and laboratory courses and sharing experiences with EU partner universities.
- Develop and implement course content using distance learning.
- Extend services and training in collaboration with the local and regional industry and community.
- Improve the human capacity of Jordanian, Syrian universities by providing training and upgrading opportunities in the EU for aspiring young and women academic members of staff.

Wider objectives:

- To improve the capacities of 6 Jordanian and 3 Syrian Universities on Environment and Climatic Change.
- Train new experts prepared for the labour market.
- Introduce Distance learning.
- Introduce ECTS environment course.

Type: Erasmus+ Programme (Capacity Building projects in the field of Higher Education (E+CBHE))

Grant Holder: The University of Jordan

SDG 17

Partnerships for the Goals



Student Exchange agreement with Bradford University – UK

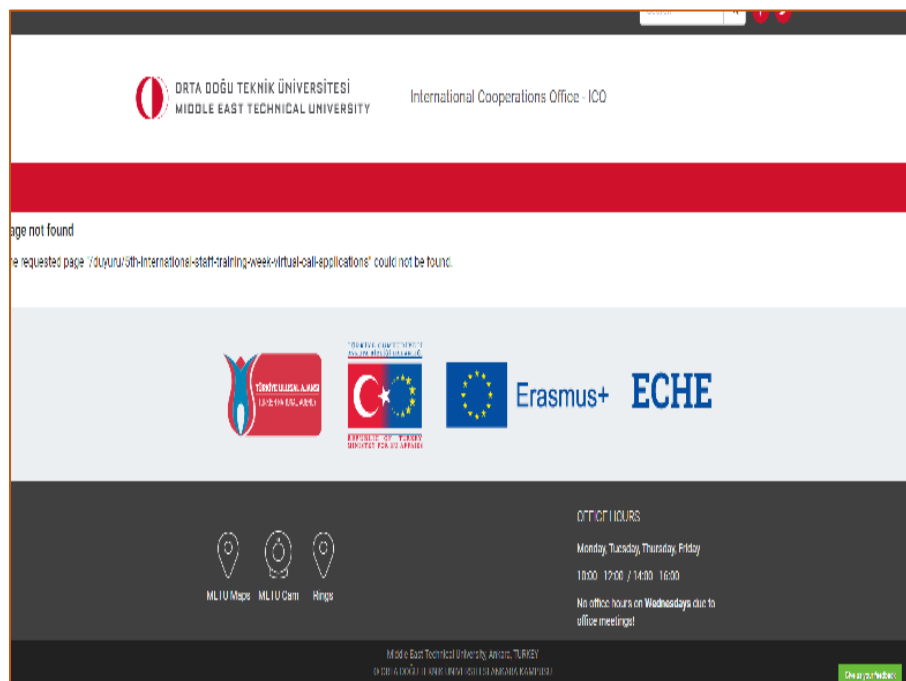
Student/Staff Mobility Agreement between Al-Zaytoonah University of Jordan and Bradford University – Uk under the Erasmus + student exchange program. Students of faculties of: Science & Information Technology, the faculty of Engineering & Technology, faculty

of pharmacy, and the faculty of Architecture & Design were targeted for research placement/semester study at Bradford University. [Click Here \(Link\)](#)

Middle East Technical University Workshop for academic staff members – Ankara, Turkey

“The Digital Work and the World in the Time of the Pandemic” 15th International Staff Training Week (Virtual) Middle East Technical University (METU) International Cooperation Office (ICO)

Within The Framework of Erasmus+ International Credit Mobility (Icm) for Spring Semester of 2020-2021 Academic Year, The Foreign Relations Office announced that the Metu International cooperation office opened a new Application Call for International Virtual Staff Week. The Event Focussed on Exchanging Experiences, Making Assessments of the Partnership, Sharing Best Practices and Learning from Each Other. [Click Here \(Link\)](#)

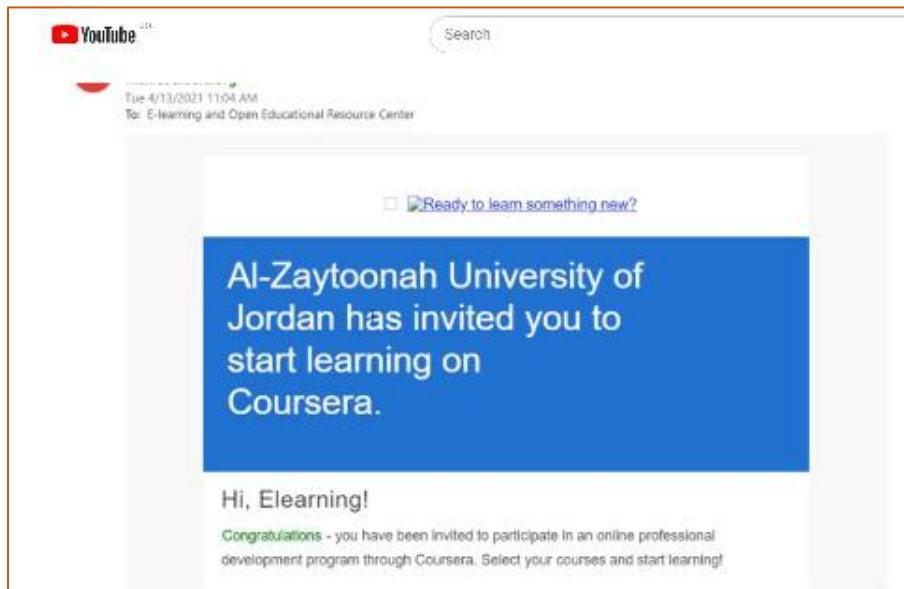


- Foreign relations office announced to the academic staff to enrol to free courses at Stanford University for students via COURSERA platform in the following fields: business, computer science, data science, information technology, health, medicine,

science and mathematics, engineering and physics, languages, life skills.

[Click Here](#)

[\(Link\).](#)



- Foreign Relations Office held the Event : “International Days” for students and graduated students remotely on the Ms Teams Platform [Click Here \(Link\)](#)



- The Office of foreign Relations announced the availability of an opportunity for student exchange (training) at the British University of Bradford within the Erasmus + program

for students of the Department of Multimedia Technology to work with a team of researchers on a project to design a virtual museum [Click Here \(Link\)](#)

- International Scientific Conference and II International Student Conference "The health sector in the face of the SARS-CoV-2 coronavirus pandemic" POWIŚLAŃSKI UNIVERSITY – POLAND. The conference devoted to the analysis of the phenomenon of the coronavirus pandemic sars-cov-2 in relation to the health care sector and the socio-economic environment of this sector. The scientific conference has been divided into 5 thematic sessions – two of them will be held in two panels – Polish and English-Speaking. [Click Here \(Link\)](#)



- The Copernicus Berlin two-month Scholarship for all students to participate for the summer semester. [Click Here \(Link\)](#)

LEADERS for FUTURE

LEADERS for FUTURE is an internship program in Berlin for the ambitious people from all over the world. The program is designed to strengthen your professional skills, present the international job market and provide networking. During the stay in Berlin you will strengthen personal and social skills through numerous activities in the multicultural society. Participants will learn to deal with different professional challenges, work in a team in a performance-oriented manner and develop leadership qualities.

The mission of the Leaders for Future internship program is to create a dynamically networked community of inspired professionals who have a vision to drive positive change for a common sustainable world.

Program sequence

1st Month	2nd Month
<ul style="list-style-type: none"> CEREMONIAL OPENING DIALOGUE WITH LEADERS INTERNSHIP WORKSHOP LEISURE ACTIVITY 	<ul style="list-style-type: none"> WEEKEND TRIP TRAINING COURSE INTERNSHIP DIALOGUE WITH LEADERS LEISURE ACTIVITY

- Student/Staff Mobility Agreement Between Al-Zaytoonah University Of Jordan And The University Of Isag – Portugal Under The Erasmus+ Programme; The Fro Lunches An announced For The Selection Of 1 Faculty Member From The Faculty Of Business For Teaching/Training For One Week In May At The Isag University. [Click Here \(Link\)](#)

Academic Staff Mobility Form - ISAG

Academic Staff mobility form to apply for the Erasmus+ Exchange Program with ISAG University.

Sign in to Google to save your progress. [Learn more](#)

* Required

First Name *

Your answer

Last Name *

Your answer

- The Global Undergraduate Exchange Program sponsored by the US Department of State with US government funding and administered by WORLD LEARNING opens a door for a chance of spending one semester in the United States. The Global Undergraduate Exchange Program is a fully funded academic and cultural exchange program designed to increase participants' knowledge and global contact. [Click Here \(Link\)](#)



- A mobility agreement between Al-Zaytoonah university of Jordan and University of Kragujevac – Serbia under the Erasmus + student exchange programme; Foreign Relations Office launched an announcement for the selection of 4 (undergraduate/postgraduate) students from the faculties of Engineering and Technology and the faculty of science and information technology to study abroad for one semester at the University of Kragujevac. [Click Here \(Link\)](#)

Students Mobility Form

Students mobility form to apply for the Erasmus+ Exchange Program with The University of Kragujevac

[Sign in to Google](#) to save your progress. [Learn more](#)

* Required

* البريد الإلكتروني

Your answer

- A student/staff mobility agreement between Al-Zaytoonah university of Jordan and the university of kragujevac – Serbia under the Erasmus+ programme; the fro lunched an announcement for the selection of 6 faculty members from the faculty of Engineering and Technology, and the faculty of science and Information Technology for teaching/training for one week at the kragujevac [Click Here \(Link\)](#)



Erasmus+

- student/staff mobility agreement between Al-Zaytoonah university of Jordan and Klaipeda state university of applied sciences – Lithuania under the Erasmus + student

exchange program; the Foreign Relations Office launched an announcement for the selection of 4 undergraduate students from the faculty of Engineering and technology, 2 to study abroad for one semester and 2 for traineeship at the Klaipeda state university. [Click Here \(Link\)](#)

Students Mobility Form

Students mobility form to apply for the Erasmus+ Exchange Program with Klaipeda State University of Applied Sciences.

[Sign in to Google](#) to save your progress. [Learn more](#)

*** Required**

*** عنوان البريد الإلكتروني**

Your answer

*** رقم الهاتف**

Your answer

- The Orange Knowledge Program (OKP) offered scholarships funded by the Dutch Ministry of Foreign Affairs available for a selection of:
 - short courses (duration 2 weeks to 12 months);
 - Master's program (duration 12 to 24 months). [Click Here \(Link\)](#)

Syrian Jordanian Education Project

An opportunity to obtain financial support for projects aimed at empowering Syrian refugees and less fortunate Jordanians through training courses and extracurricular activities that

prepare the student for the labor market and aim to provide him with various administrative / financial / self-skills and financing projects to empower Syrian refugees.

The Arab Council for Students Training & Innovation

The ACSTI encourages member universities of the council to provide training motilities for students of Arab universities. This is realized through holding a yearly Arab Forum, in which training nobilities are exchanged among Arab universities in various scientific and humanitarian specialties (Medicine, Engineering, Pharmacy, Agriculture, Nursing, Law, Journalism, Computer Science, Science, Educational Sciences, Fine Arts, Medical Laboratories, Music, etc.). In addition, the ACSTI provides financial grants for participant universities in the mobility program.

The ACSTI encourages scientific, cultural, and artistic activities for students of Arab universities through holding a yearly forum of innovative students in scientific and humanitarian specialties. [Click Here \(Link\)](#).



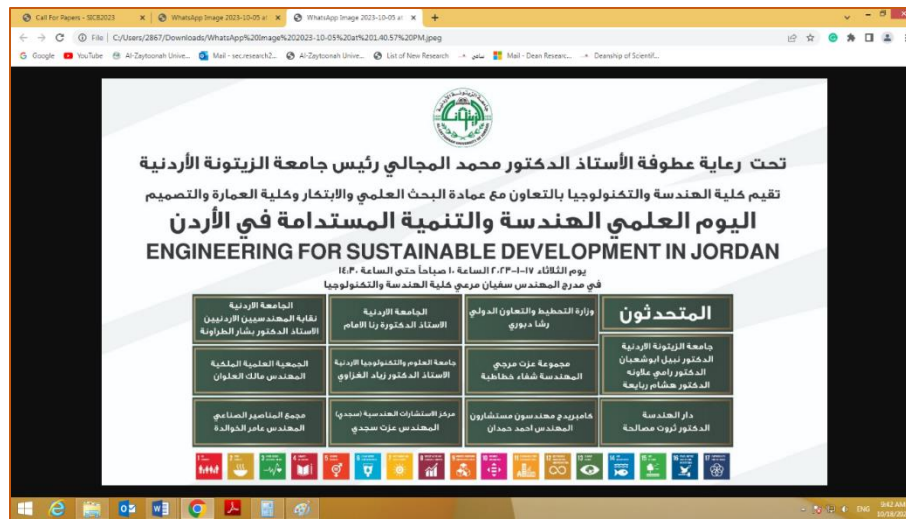


SDG 17 Relationships to support the goals

SDG 17.2.4 Collaboration for SDG best practice

Collaboration for Sustainable Development Goals (SDG) best practices in Al Zaytoonah University context involves engaging diverse stakeholders to collectively advance the SDGs:

- Create a Dedicated Office or Centre: Deanship of scientific research and innovation at Al Zaytoonah University established a centralized office focused on SDGs to coordinate, support, and facilitate collaboration across the university. [Click Here \(Link\)](#)
- Cross-Functional Working Groups: Form interdisciplinary working groups comprising students, faculty, staff, and external stakeholders, each focused on specific SDGs or thematic areas.



- Partnerships and Networks

- Engage Students: Al Zaytoonah University Involves students in SDG initiatives by offering extracurricular activities, internships, and research opportunities related to the SDGs.
- Curriculum Integration: Al Zaytoonah University Infuses SDG principles into the university's curriculum by offering courses and degree programs that explicitly address sustainability and global development.
- Faculty Support: Provide faculty development opportunities, resources, and incentives for incorporating SDGs into research, teaching, and service.
- Research Collaborations
- Community Engagement: Al Zaytoonah University collaborates with local communities to identify shared goals and address local sustainable development challenges. Engage in community-based projects.



Forest Fire System for Detection, Prediction and Prognoses using Wireless Sensor Networks
and Machine Learning(Project)

- Global Engagement: Al Zaytoonah University promotes international collaboration by working with universities and organizations in other countries to share knowledge, research findings, and best practices.
- Monitoring and Reporting: Al Zaytoonah University establishes mechanisms to track and report on the university's progress in achieving SDG-related goals.
- Student-Led Initiatives: AlZaytoonah University supports student-led organizations and initiatives that promote the SDGs on campus, such as student sustainability clubs, awareness campaigns, and community outreach.
- Public Awareness and Advocacy
- Funding and Grants: Al Zaytoonah University -Deanship of research and innovation offers grants, scholarships, and funding opportunities for SDG-related research, projects, and initiatives to incentivize engagement.
- Evaluation and Continuous Improvement
- Alignment with University Values: Al Zaytoonah University ensures that SDG initiatives align with the university's mission, values, and strategic goals.
- Reporting and Recognition.
- Through various international cooperation and exchange courses and activities, lecturers at Al Zaytoonah University have led students to promote the transnational sustainable development goals and policies.
- Al-Zaytoonah University Of Jordan Signed A Cooperation Agreement With Queen's University Of Belfast To Under The Tittle "Knowledge Transfer "



- Al-Zaytoonah University Of Jordan Participated In The Erasmus Plus International Academic/Student Exchange Forum Which Was Held At The University Of Powislanski University In Kwidzyn In Poland With The Participation Of 27 Universities From 22 Countries. The University Represented By Dr Sokyna Alqatawneh Has Introduced To Participate In Five Quality Projects Through The Erasmus Plus Program And Has Paved The Way For New Partnerships For Academic Exchange Of Students And Faculty With Several European Universities .



- Al-Zaytoonah University Of Jordan Has Doubled The Number Of Its International Agreements And Has Already Signed Agreements With The European Union Under The Erasmus Plus Program And The Maulana Turkish Grant. Pr. Ali Al-Dahoud The Director Of Foreign Relation Office Said That The University Has Doubled The Number Of International Agreements And Has Done 86 Agreements With The Different Universities Which Include: Britain, Belgium, Portugal, Sweden, Norway, Romania, Poland, Cyprus, And Turkey [Click Here \(Link\)](#)



- Prof. Mohammed Majali, Acting President Of Al-Zaytoonah University Of Jordan, Met With Students Participating In The Exchange Program Supported By The European Union And Turkey. Al-Majali Explained The Importance Of This Experience In Gaining Experience And Learning About The Methods Of Teaching In Europe As Well As The Cultures Of Peoples [Click Here \(Link\)](#)



- The Foreign Relation Office at Al-Zaytoonah University In Jordan Organized A Lecture On The Latest Applications Of Artificial Intelligence In Cooperation With The University Of Bradford In Britain Within The EU-Funded Erasmus Plus Program.Pr. Ali Al Dahohud; The Director Of Foreign Relation Office, Announce That Such Lectures Will Enrich The Knowledge Of The Local Staff With The Latest News About The Applications Of Artificial Intelligence [Click Here \(Link\)](#)



- Al-Zaytoonah University of Jordan has doubled its share in the academic and student exchange program during the special meeting of Erasmus plus Program funded by the European Union (EU) in Istanbul, Turkey. Director of Foreign Relationships Office, Professor Ali Al-Dahoud elaborated that the university had signed exchange agreements with nine European countries in order to exchange students and academics to study and teach in EU prestigious universities. It is worth mentioning that Universities from Turkey, Bosnia and Herzegovina, Kosovo, South Africa in addition to Al-Zaytoonah University from Jordan took part in the meeting
- STUDENTS EXCHANGE list: From /to AL-ZAYTOONAH UNIVERSITY [Click Here \(Link\)](#)

SDG 17

Partnerships for the Goals



SDG 17 Relationships to support the goals**SDG 17.2.5 Collaboration with NGOs for SDGs**

Al-Zaytoonah University of Jordan recognizes collaboration with non-governmental organizations (NGOs) as a crucial strategy for advancing the United Nations Sustainable Development Goals (SDGs). NGOs bring valuable expertise, community connections, and field resources that enhance the impact and sustainability of SDG initiatives:

- **Identify Common Goals:** Establish a shared vision that aligns the university's academic mission with the NGO's objectives to target specific SDGs.
- **Establish Clear Objectives:** Define measurable goals to ensure both partners contribute effectively to achieving outcomes that support the SDGs.
- **Engage Stakeholders:** Involve community members, faculty, and students to create a supportive network that strengthens the collaboration.
- **Develop Memorandum of Understanding (MOU):** Formalize the partnership with an MOU that outlines roles, responsibilities, and expectations for both parties.
- **Leverage Expertise:** Al-Zaytoonah University offers academic research capabilities, while NGOs contribute field experience and local insights. Together, these strengths drive effective problem-solving and sustainable solutions.
- **Secure Funding:** Pursue funding opportunities jointly to support the partnership's SDG projects, increasing resources for impactful initiatives.
- **Promote Cross-Disciplinary Collaboration:** Encourage interdisciplinary efforts across different university faculties to address SDGs from multiple perspectives.
- **Implement Projects:** Execute initiatives aligned with the partnership's shared SDG objectives, ensuring all activities are inclusive and community-focused.

- **Monitor and Evaluate:** Establish clear metrics to assess project impact, making adjustments to improve outcomes and ensure accountability.
- **Share Knowledge and Results:** Disseminate findings and experiences from these projects through workshops, publications, and presentations to inform wider audiences and support SDG advancement.
- **Engage the Community:** Foster community involvement by engaging with local populations, raising awareness of the SDGs, and promoting sustainable practices.
- **Advocate for Policy Change:** Collaborate with NGOs to advocate for policy changes that support SDG goals, leveraging research and practical findings to influence decision-makers.
- **Document and Celebrate Successes:** Track achievements, document impactful moments, and share successes to inspire continued support and involvement.

Al Zaytoonah University of Jordan collaboration with NGOs: [Click Here \(Link\)](#)

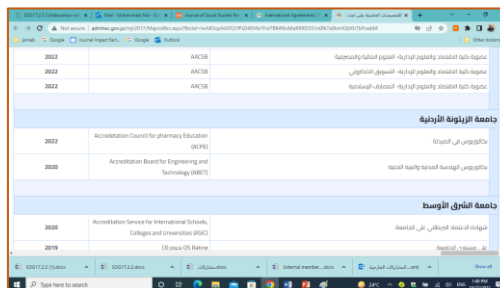
- The Arab Assurers
- Abdul Hameed Shoman Foundation
- AVERTRA
- Jordan Radio and Television Corporation
- E11EVEN
- Koica
- Jordan River Academy

[Click Here \(Link\)](#)

N.	University	Date	Country
1.	The National Polytechnic Institute of The United Mexican States	03/08/2021	Mexico
2.	School of Education & Social Sciences, Management and Science University	18/06/2021	Malaysia
3.	Belarusian State University of Informations and Radioelectronics	02/05/2021	Belarus
4.	Florida Agricultural And Mechanical University	29/03/2021	USA
5.	Saint Louise University	17/03/2021	Belgium
6.	Birmingham City University	14/02/2021	United Kingdom
7.	Al-Mustaqbal University College	08/02/2021	Iraq
8.	Tomsk State University	08/02/2021	Russia
9.	University of Kragujevac	04/11/2020	Serbia
10.	Klaipeda State University of Applied Sciences	28/09/2020	Lithuania
11.	University of Huddersfield	2020/08/10	United Kingdom
12.	Saint Louise University	20/07/2020	Belgium
13.	Necmettin Erbakan University	2020/03/05	Turkey
14.	Igdir University	2020/02/03	Turkey
15.	Conventy University	2019/12/19	United Kingdom
16.	Queen's University	2019/09/01	United Kingdom
17.	University of Saint-Louis	2019/06/26	Belgium
18.	Suleyman Demirel University	2019/06/26	Turkey
19.	Saint Louis University	2019/06/24	Belgium

[Click Here \(Link\)](#)

- Union of Arab Engineers



Year	Accreditation Body	Accredited Institution
2022	ACCE	جامعة الزيتونة الأردنية - كلية الهندسة
2022	ACCE	جامعة الزيتونة الأردنية - كلية العلوم
2022	ACCE	جامعة الزيتونة الأردنية - كلية التربية
جامعة الزيتونة الأردنية		
2022	Accreditation Council for pharmacy Education (ACPE)	مدرسة الصيدلة
2020	Accreditation Board for Engineering and Technology (ABET)	مدرسة الهندسة
جامعة الشرق الأوسط		
2020	Accreditation Service for International Schools, Colleges and Universities (ASCI)	مدرسة الشرق الأوسط
2019	ISB Asia CS Rating	مدرسة الشرق الأوسط

- ACPE

[Click Here \(Link\)](#)

- ABET

[Click Here \(Link\)](#)

- ACADEMIC EXCHANGE (list - active agreements)

[Click Here \(Link\)](#)

- STUDENT EXCHANGE (list - active agreements)

[Click Here \(Link\)](#)

- International Cooperation with Al Zaytoonah University (list - active agreements)

[Click Here \(Link\)](#)

- JOINTS PROJECTS

[Click Here \(Link\)](#)

- Memorandum of Understanding for Academic Cooperation between Al-Zaytoonah University of Jordan and AL-Wasl University/ UAE.
- Memorandum of Understanding for Academic Cooperation between Al-Zaytoonah University of Jordan and Department of the National Library.

- Memorandum of Understanding for Academic Cooperation between Al-Zaytoonah University of Jordan and America-Mideast Educational and Training Services, Inc. (Office in Jordan (Amideast/ Jordan).
 - Memorandum of Understanding for Academic Cooperation between Al-Zaytoonah University of Jordan and Jordan River Academy JRA .
 - Memorandum of Understanding for Academic Cooperation between Al-Zaytoonah University of Jordan and MAS Al-Safi Apparel Manufacturing (LLC).
 - Memorandum of Understanding for Academic Cooperation between Al-Zaytoonah University of Jordan and Queen Raina Teacher Academy.
 - Memorandum of Understanding for Academic Cooperation between Al-Zaytoonah University of Jordan and Philadelphia National Schools.
 - Memorandum of Understanding for Academic Cooperation between Al-Zaytoonah University of Jordan and Central Bank of Jordan.
-

SDG 17 Publication of SDG reports

SDG 17.3.1 Publication of SDG reports (Publication of SDG reports - per SDG)

 OVERALL RANKING	1  NO POVERTY	2  ZERO HUNGER	3  GOOD HEALTH AND WELL-BEING	4  QUALITY EDUCATION	5  GENDER EQUALITY	6  CLEAN WATER AND SANITATION	7  AFFORDABLE AND CLEAN ENERGY	8  DECENT WORK AND ECONOMIC GROWTH
9  INDUSTRY INNOVATION AND INFRASTRUCTURE	10  REDUCED INEQUALITIES	11  SUSTAINABLE CITIES AND COMMUNITIES	12  RESPONSIBLE CONSUMPTION AND PRODUCTION	13  CLIMATE ACTION	14  LIFE BELOW WATER	15  LIFE ON LAND	16  PEACE, JUSTICE AND STRONG INSTITUTIONS	17  PARTNERSHIPS FOR THE GOALS

- **SDG1:** No Poverty [Report Link](#)
- **SDG3:** Good Health and Wellbeing [Report Link](#)
- **SDG4:** Quality Education [Report Link](#)
- **SDG7:** Affordable and Clean Energy [Report Link](#)
- **SDG17:** Partnership for the Goals [Report Link](#)
- **SDGs** [Report Link](#)

SDG 17

Partnerships for the Goals



Partnerships for the Goals

Al-Zaytoonah University Sustainability Management Report

1- Introduction

The University of Al-Zaytoonah in Jordan was established in 1993 and obtained its license and general accreditation on 6/9/1993, according to decision number (848) of the Higher Education Council dated 6/9/1993. Since its establishment, the university has been striving to prepare students both academically and morally to enable them to fulfill their responsibilities in serving their country and their nation.

Recognizing the importance of sustainability, the university's vision, mission, and goals are clearly aligned with it, which is reflected in its strategic and operational plans. Here is a summary of what is stated in the vision, mission, objectives, and policies related to sustainability:

2- Vision

"Toward a competitive university in the job market, scientific research, and sustainable environment."

3- MISSION

An active contribution in the sustainable development of the society and providing the labor market with the specialized competencies capable of leadership, entrepreneur and creativity through implementing proper planning, wise governance, modern teaching and learning methods, transfer of technology and by focusing on applied scientific research, developing attractive scientific and teaching environment, choosing skilled and experienced man power, partnering with notable higher education institutions, and applying quality assurance and competitiveness standards.

Which is reflected in the strategic plan's objectives, which include the following:

Enhancing the social responsibility by participating in the continuous development and proper utilizing of cooperation and networking nationally and internationally.

Building upon what was mentioned earlier, the university has translated this vision, mission, and objectives into practical initiatives through a set of projects and plans that have been implemented or are currently in progress. These initiatives can be summarized as follows:

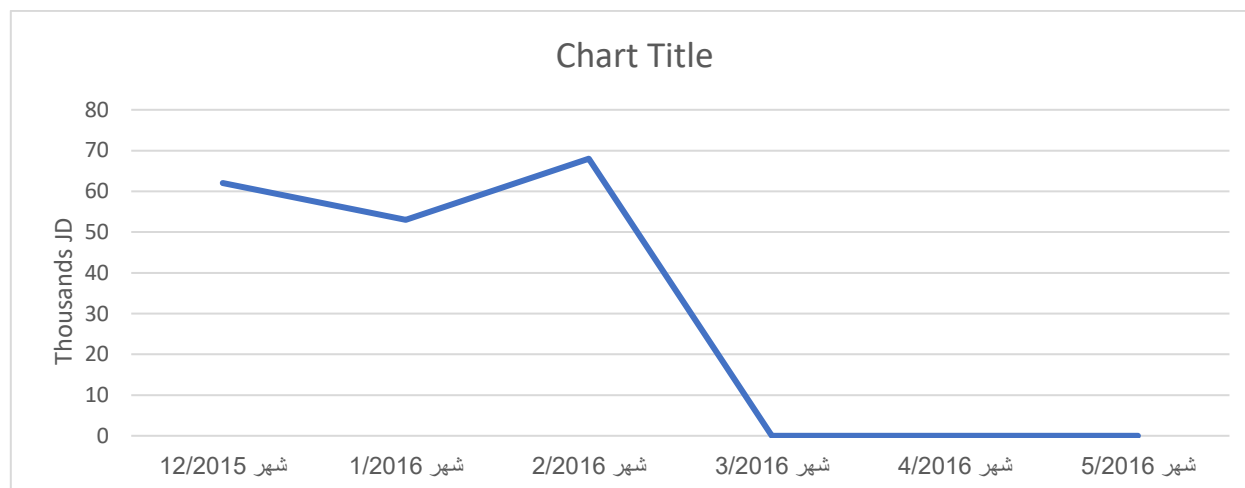
- 1- Renewable Energy (academic programs, solar energy, charging stations)
- 2- Green Buildings

- 3- Recycling
- 4- Technology Utilization (university app, bus app, e-learning)
- 5- Green Spaces
- 6- Training, Education, and Consultations
- 7- Academic Exchange
- 8- Student Activities
- 9- Excellence in Green Metrics Standards

4- Renewable Energy:

The university is among the pioneers of national institutions that have transitioned to clean renewable energy. In 2016, the university implemented and operated a solar energy project to supply electricity to the university, resulting in the generation of over 2094 kWh. This project significantly reduced the university's electricity bill from an average of 60,000 Jordanian dinars to zero. Additionally, it generated surplus electricity that is supplied to the national electric company for redistribution to areas with higher electricity needs.

The university also has two other sources of renewable energy generation: wind energy with a capacity of 3 kWh and biofuel with a capacity of 6 kWh. The following chart illustrates the cost of electricity before and after the implementation of the renewable energy project in electricity generation:



In this project, all the university buildings' rooftops were covered with solar panels for electricity generation. Furthermore, the project is currently being expanded through the construction of canopies in the university's bus parking area. This expansion provides

shade in the summer and protection from rain in the winter, in addition to generating electricity through the solar panels installed as canopies.

The university also established 16 electric vehicle charging stations through a scientific research project. These charging stations encouraged faculty, staff, and students to own electric vehicles. As a result, the number of electric vehicles owned by the university's faculty and staff increased from 7 cars in 2020 to more than 30 cars in 2022, and the number continues to grow.



Believing in the importance of investing in renewable energy, the university has introduced a specialized program directly related to renewable energy and alternative energy technology. This program is a technical program that focuses on technological aspects of alternative energy, with 50% of the program being practical. The program covers several important areas, including the installation and maintenance of renewable energy systems and their applications, such as solar energy, wind energy, thermal energy, nuclear energy, bioenergy, and waste management. It also includes hybrid systems and energy management.

You can find more information about the Alternative Energy Technology department at this link: [Alternative Energy Technology Department](#)

5- The Green Buildings project

The Green Buildings project in the College of Engineering and Technology is a significant initiative aimed at promoting environmental sustainability and energy efficiency within the university campus. The project serves as a model for environmentally friendly construction

Partnerships for the Goals

and green building practices that are aligned with international standards and best practices.

Key features of this project include:

- **Sustainability:** The building has been designed and constructed with a focus on sustainability. Sustainable materials, eco-friendly construction methods, and energy-efficient systems have been incorporated into the building's design and construction.
- **Green Building Standards:** The project adheres to green building standards, which encompass various aspects such as reducing energy consumption, optimizing water usage, and enhancing indoor air quality. These standards ensure that the building is both environmentally responsible and cost-effective.
- **Energy Efficiency:** The building incorporates energy-efficient technologies and systems to minimize energy consumption. This includes the use of high-efficiency lighting, heating, ventilation, and air conditioning (HVAC) systems, as well as insulation and solar control measures.
- **Water Efficiency:** Water-efficient fixtures and systems have been integrated to reduce water consumption. This includes low-flow toilets, water-saving faucets, and the use of landscaping practices that minimize water usage.
- **Indoor Environmental Quality:** The building promotes a healthy and comfortable indoor environment for its occupants. This involves the selection of materials that have low emissions and the design of spaces that provide ample natural light and good air quality.
- **Resource Management:** The project emphasizes responsible resource management. This includes the use of sustainable and locally sourced materials, as well as efficient waste management and recycling practices during construction and operation.
- **Education and Outreach:** The Green Buildings project can also serve as an educational tool for students and the broader community. It can showcase the benefits of sustainable building practices, inspiring future generations to adopt similar environmentally conscious approaches.
- **By implementing the Green Buildings project, the university not only reduces its environmental footprint but also sets an example for sustainable and eco-friendly construction practices. This initiative can have a positive impact on the overall campus, providing an environment that is both conducive to learning and aligned with the principles of environmental responsibility.**



The creation of the "Green Student Park" is another noteworthy initiative undertaken by the university. This park has been designed with a strong focus on environmental sustainability and providing a functional and eco-friendly space for students.

Key features of the Green Student Park include:

- **Seating and Study Areas:** The park is equipped with comfortable seating and study areas where students can relax and study in a serene outdoor environment.
- **Renewable Energy Integration:** One of the unique aspects of this park is the integration of renewable energy sources. Wind turbines have been installed to harness wind energy, and solar panels have been incorporated into canopies or shade structures within the park. This combination of wind and solar energy generation not only powers the park's lighting and amenities but also provides an educational opportunity for students to learn about renewable energy technologies.
- **Shade Structures:** The park features shade structures with built-in solar panels. These structures not only offer relief from the sun during hot weather but also generate electricity from the sun's energy. The electricity generated can be used to power lighting or other electrical devices in the park.

The Green Student Park serves as a multifunctional space where students can enjoy the outdoors, study, and learn about renewable energy technologies. It demonstrates the university's commitment to sustainability and provides a practical example of how green technologies can be integrated into everyday campus life to benefit both the environment and the student community. This initiative aligns with

the broader goal of promoting eco-conscious practices and renewable energy adoption on campus.



In addition to the previously mentioned initiatives, the university is actively involved in recycling, both in terms of water and waste:

Water Recycling: The university recycles water and utilizes it for irrigation and agricultural purposes. It has water wells that collect and store water used in the university's facilities. This water is then scientifically treated and recycled for the

irrigation of plants and crops throughout the campus. Water recycling helps conserve this valuable resource and reduces the university's reliance on external water sources.

Waste Recycling: The university has also launched initiatives to recycle various types of waste, including paper, plastic, and metal. Agreements have been made with different organizations to provide the university with waste collection bins, which are used to collect waste materials. These materials are then processed and recycled. This waste recycling effort promotes a sustainable and eco-friendly approach to waste management, reducing the environmental impact of waste materials.

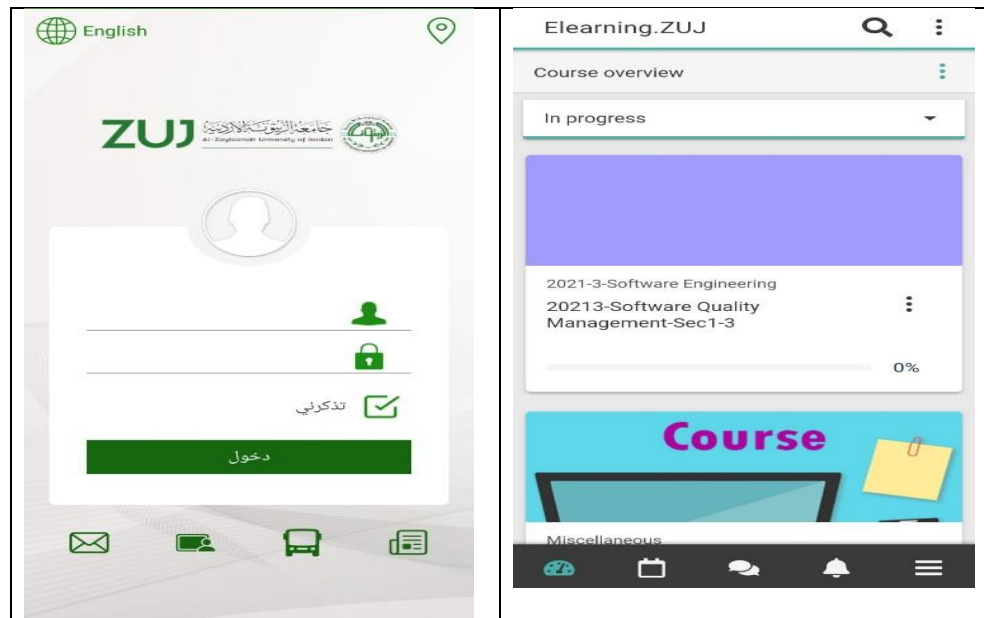
These recycling efforts demonstrate the university's commitment to sustainability and responsible resource management. By reusing water and recycling waste, the institution not only reduces its ecological footprint but also sets an example for students and the community on the importance of environmental stewardship and conservation.



6- Applying Technology

The university's commitment to environmental protection extends beyond clean energy and recycling efforts to include the strategic use of technology for sustainability. Here are some of the ways in which technology has been harnessed for these purposes:

- **E-Learning System and Open Educational Resources:** The university has transitioned to a fully electronic learning environment, replacing the need for printing textbooks, summaries, assignment submissions, and many exams. This has enabled 100% computer-based interactions with students. The e-learning system has become the central hub for academic activities. [Link to the e-learning system](#)
- **Archiving and Correspondence:** Faculty, staff, and students at the university have been provided with email services and cloud storage, making communication and documentation entirely electronic. This approach also allows for electronic archiving of documents and correspondence.
- **Computerization of Administrative Processes:** Many administrative processes, such as research procedures, postgraduate studies, procurement, admissions, and registration, have been computerized. The electronic systems are also equipped for digital archiving.
- **Mobile Applications for Students:** The university has developed three mobile applications for students. The first application enables students to manage admissions and registration, view their academic information, and complete all registration-related tasks without visiting the university physically. The second is the e-learning application, as mentioned earlier. The third application is designed for tracking the movement of student transport buses, enhancing transportation efficiency and reducing the need for private vehicles and taxis to commute to the university. This initiative helps reduce the environmental impact of commuting.
- **University Virtual Tour:** the university has introduce a virtual tour for its campus. It helps potential students and staff to explore the University campus virtually without the need to visit the campus physically.



- Hybrid/Virtual Conferences:** The University has embraced hybrid and virtual conferencing as a means of reducing the environmental impact associated with travel and physical events. Several international scientific conferences have been organized by the university using remote conferencing and video broadcasting applications. This approach has significantly reduced the need for faculty, researchers, and participants to travel to the conference venue. By conducting conferences remotely, the university not only minimizes its carbon footprint but also enhances accessibility for participants' worldwide, making knowledge exchange more convenient and eco-friendly.



By fully integrating technology into various aspects of university life, the institution not only enhances efficiency and accessibility but also significantly reduces its carbon footprint. These technology-driven initiatives demonstrate the university's commitment to sustainability and its proactive approach to incorporating technology for environmental and operational benefits.

The university's commitment to sustainability extends to several areas, including the utilization of green spaces, continuous education and training, and academic exchange programs:

7- Green Spaces:

The university boasts over 12,000 square meters of green spaces, covering more than 40% of its total campus area. These green spaces are home to a variety of trees and plants, enhancing the campus environment. Moreover, the university utilizes the olive trees it cultivates, offering their yield to staff members at symbolic and affordable prices, allowing them to pay in installments. This initiative not only contributes to the campus's aesthetics but also promotes eco-conscious practices among the university community.



8- Education and Continuous Training:

The concept of sustainable development extends beyond economic growth and involves the development of land, cities, and people in a way that meets present needs

while preserving natural and environmental resources, as well as achieving social development. The university fulfills its core roles in education, training, and scientific research, which significantly contribute to driving development and ensuring its sustainability. This is accomplished through awareness of the importance of these roles and their long-term impact on future generations.

In line with this, the university has established a Center for Consultation and Community Service, which offers a wide range of courses on skills demanded in the job market, student development, and skill enhancement. Additionally, the university has a Faculty Development Unit within the Quality Assurance Office, providing courses on teaching, assessment, and evaluation for faculty members. Furthermore, the e-Learning Center conducts courses on computer usage and electronic learning systems for teaching.

In the context of training, the university has signed a series of agreements with several institutions, universities, and companies with the aim of providing free remote training grants. Among these agreements are the one with the Ministry of Digital Economy and Entrepreneurship, the agreement with Al-Hussein Technical University, and the agreement with Green Circle for cybersecurity.



9- Academic Exchange:

The university offers academic exchange opportunities to its academic staff and students across various disciplines. The university has signed over 30 academic exchange agreements with international and Arab universities. In 2022, the university hosted more than 15 professors and over 50 students from different Arab and foreign nationalities, while also sending more than 24 professors and over 150 students to participate in academic exchange programs. This initiative promotes cross-cultural learning and collaboration while enriching the educational experience for both the university's community and its international partners.

These endeavors underscore the university's multifaceted approach to sustainability, which encompasses environmental conservation, educational excellence, and global

engagement, all contributing to the development and prosperity of its community and the broader society.



10 - Community service:

The university actively engages its faculty and students in various community service activities, both curricular and extracurricular, to promote social values and a sense of belonging to the local community. Some of these activities include:

1. Community Awareness and Educational Lectures: Faculty members regularly conduct informative and educational lectures for various segments of the local community. These lectures cover a wide range of topics and are tailored to meet the specific needs and interests of different audiences.



2. Environmental Support Activities: Students actively participate in initiatives to increase green spaces in Jordan. They engage in tree planting and afforestation activities and organize campaigns for the conservation of forests, parks, and gardens. They also organize campaigns to promote efficient resource utilization and recycling.



3. Moral and Psychological Support: Students regularly visit retirement homes, childcare centers, hospitals, and organize blood donation drives to provide moral and psychological support to those in need.



4. Participation in Competitions and Other Activities: Students take part in various competitions and activities, including scientific, sports, cultural, and social events, further promoting social interaction and personal development.





10- Distinguished Global Ranking

The university has achieved notable distinctions in various rankings, reflecting its commitment to excellence and sustainability:

UI Green Metric World University Ranking:

The university has made significant progress in the UI Green Metric World University Ranking, which assesses environmentally friendly universities. In 2022, the university ranked third locally and first among private universities out of 1050 universities globally. It achieved a remarkable jump of 575 points in the ranking, securing the 181st position globally. This consistent improvement demonstrates the university's commitment to environmental sustainability and its dedication to promoting eco-friendly practices.

These achievements highlight the university's commitment to providing high-quality education, promoting sustainability, engaging in community service, and contributing to the development and well-being of both its local community and the broader society.

SDG 17 Education for SDGs**SDG 17.1.1 Education for SDGs: commitment to meaningful education**

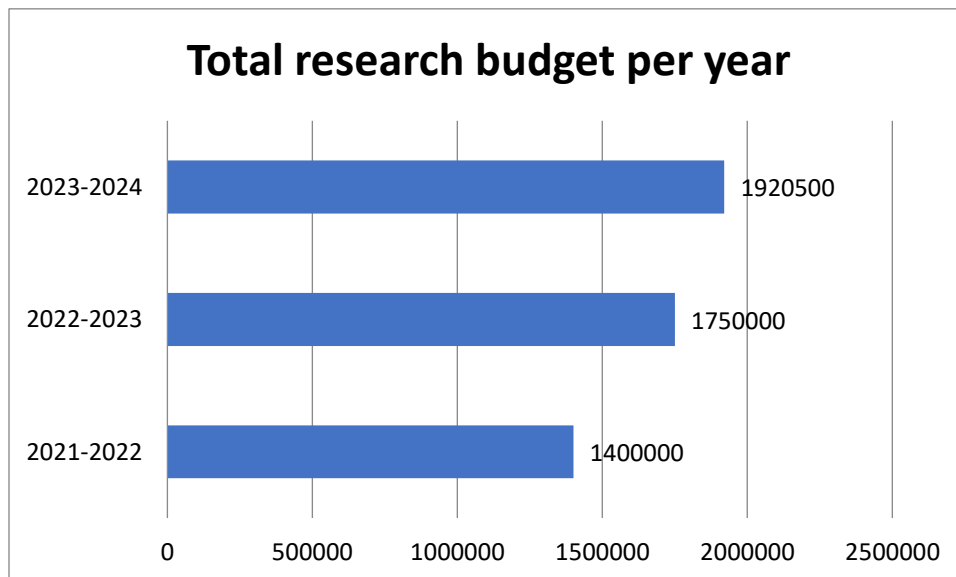
Al-Zaytoonah University of Jordan is dedicated to embedding Sustainable Development Goals (SDGs) into its educational mission, empowering students to make a positive impact on their communities and beyond. Through an array of initiatives, the university integrates SDGs into its curriculum, encourages community-based projects, and fosters awareness on critical global issues.

- 1 .Integrating SDGs into the Curriculum: Al-Zaytoonah University ensures that topics related to the SDGs are woven into courses across multiple disciplines. For example, students in environmental studies learn about sustainable resource management (SDG 12) and clean energy (SDG 7), while social science courses explore themes like gender equality (SDG 5) and social justice. This approach allows students to gain a practical, cross-disciplinary understanding of global challenges.
- 2 .Community-Centered Learning Projects: The university actively partners with local NGOs and government bodies to create hands-on projects that tackle SDG-related issues. For instance, students in sustainability courses collaborate with local organizations to develop waste management initiatives and renewable energy solutions. By working on these real-world projects, students learn how to implement sustainable practices and address local challenges directly, fostering a sense of responsibility and agency.
- 3 .Raising Awareness through Events and Advocacy: To encourage broad awareness of the SDGs, Al-Zaytoonah University hosts workshops, speaker sessions, and awareness campaigns. For example, an annual "Sustainability Week" includes activities on climate action, community development, and public health. Such events engage not only students but also the surrounding community, inspiring collective action and advocacy for sustainable development.

4 .Continuous Improvement in SDG Education: Al-Zaytoonah University is committed to the ongoing enhancement of its SDG education initiatives. Regular evaluations of programs, gathering student feedback, and assessing community impact help the university refine its approach to remain relevant and impactful. These efforts ensure that Al-Zaytoonah continues to lead in educating students on sustainability, fostering future leaders who are prepared to make a meaningful impact.

5.Research and Innovation: Al Zaytoonah University highlights research and innovation that directly address the SDGs (encouraging and funding research projects, collaborations, and initiatives that contribute to sustainable development goals).

Total research funds (in US Dollars)



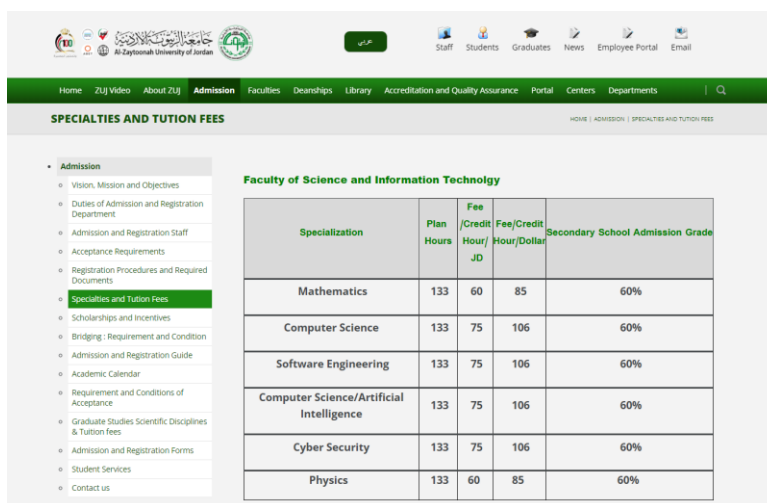
- The averaged annum last 3 years of research fund = 1690166 US Dollars
- Total research fund dedicated to sustainability research:
 - Total research fund dedicated to sustainability research in 2022 = 572118.31 US Dollars

- Total research fund dedicated to sustainability research in 2023 = 714516 US Dollars
- Total research fund dedicated to sustainability research in 2024 = 865713 US Dollars
- Avg= 717449 US Dollars

6.Global Partnerships: Al Zaytoonah University shows international partnerships to enhance knowledge exchange and collaboration in addressing global issues.

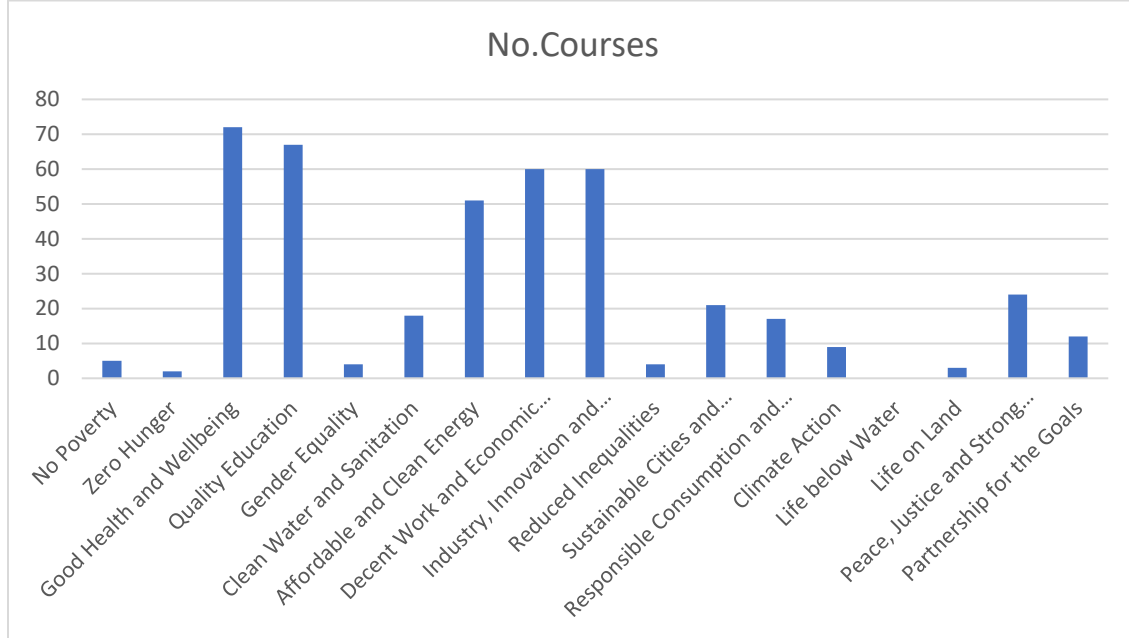
7.Ethical Leadership and Values: Al Zaytoonah University commits to instilling ethical leadership and values in their students. By promoting principles such as sustainability, social justice, and ethical decision-making

8. Al Zaytoonah University of Jordan offered 560 courses related to the SDGs in 2021/2022 academic year. The top five SDGs that had been taught were SDG 3, 4, 7, 8 and 9. Faculties of Sciences &IT , Engineering & Technology, Pharmacy, Architecture & Design and Business offered the most of the SDG-related courses. [Click Here \(Link\)](https://www.zuj.edu.jo/admission/specialties-and-tution-fees/)



Specialization	Plan Hours	Fee /Credit Hour/ JD	Fee/Credit Hour/Dollar	Secondary School Admission Grade
Mathematics	133	60	85	60%
Computer Science	133	75	106	60%
Software Engineering	133	75	106	60%
Computer Science/Artificial Intelligence	133	75	106	60%
Cyber Security	133	75	106	60%
Physics	133	60	85	60%

<https://www.zuj.edu.jo/admission/specialties-and-tution-fees/>



Faculty : Engineering and Technology

#	Course Code	Course Name	Sec.	Study Type	Room	Time	Instructor
1	0602231	الكتابة التقنية	1	صباحي	9148	(08:00_09:00 , Wed)	د . هشام احمد
2	0602231	الكتابة التقنية	2	صباحي	19152	(10:00_11:00 , Mon)	د . هشام احمد
3	0602351	مختبر الهيدروليك	1	صباحي	10109	(12:30_15:30 , Wed)	د . رفيق مشاع
4	0602454	مختبر هندسة المياه العادمة	1	صباحي	10109	(12:30_15:30 , Tue)	د . الوار الطراونه
5	0602490	التدريب الهندسي	1	صباحي	19221	(08:00_11:00 , Fri)	د . هشام احمد
6	0602544	هندسة الطرق	1	صباحي	19121	(11:00_12:30 , Sun , Tue)	د . همن غادي
7	0602545	تصميم الرصف	1	صباحي	19121	(11:00_12:30 , Sun , Tue)	د . همن غادي
8	0602550	شبكات البنية التحتية	1	صباحي		(08:00_09:30 , Mon , Wed)	د . رائد عجلده
9	0608201	الكتابة التقنية واختلافات المهنة	2	صباحي		(12:00_13:00 , Mon , Wed)	د . سليم الزياتين
10	0608201	الكتابة التقنية واختلافات المهنة	3	صباحي		(10:00_11:00 , Mon , Wed)	د . سليم الزياتين
11	0608202	الميكانيكا الهندسية	1	صباحي	19115	(09:30_11:00 , Sun , Tue)	د . سفاهار اسعد
12	0608203	مقاومة المواد	1	صباحي	19121	(09:30_11:00 , Sun , Tue)	د . محمد جرادات
13	0608204	مختبر مقاومة المواد	1	صباحي	19007	(12:30_15:30 , Sun)	د . سفاهار اسعد
14	0608204	مختبر مقاومة المواد	2	صباحي	19007	(12:30_15:30 , Tue)	د . سفاهار اسعد
15	0608205	الاحتمالات والاحصاء للهندسة	1	صباحي		(11:00_12:30 , Mon , Wed)	د . سفاهار اسعد
16	0608221	جيوارجيا هندسية	1	صباحي	19121	(11:00_12:30 , Mon , Wed)	د . موسى بني نكر
17	0608222	مواد بناء	1	صباحي		(09:30_11:00 , Mon , Wed)	د . سفاهار اسعد
18	0608223	مختبر مواد بناء	1	صباحي	10001	(12:30_15:30 , Mon)	د . سفاهار اسعد
19	0608223	مختبر مواد بناء	2	صباحي	10001	(12:30_15:30 , Wed)	د . محمد جرادات
20	0608225	مبادئ في الاتصالات الكهربائية	1	صباحي		(08:00_09:30 , Mon , Wed)	د . سامي جند
21	0608331	تحليل الانشاءات (1)	1	صباحي	19212	(08:00_09:30 , Sun , Tue)	د . رنا الحوراني
22	0608332	تحليل الانشاءات (2)	1	صباحي	19212	(09:30_11:00 , Sun , Tue)	د . رنا الحوراني
23	0608332	تحليل الانشاءات (2)	2	صباحي	19220	(11:00_12:30 , Mon , Wed)	د . رنا الحوراني

SDG17.4.2 Education for SDG... x Mail - Mohammad Alia - Ou... x Education for SDGs commit... x Schedule Courses x viewReport

portal.zuj.edu.jo/faces/ui/pages/guest/scheduleCourses/index.xhtml

Arabic Login

Degree Type Bachelor Study Type Regular Study

Campus Alzaytoonah University Faculty Name Engineering and Technology

Department Name Civil and Infrastructure Engineering

Search Print Columns

(1 of 4) 1 2 3 4 15

#	Course Code	Course Name	Activity	Section	Building	More Info
1	0902231	Technical Writing	Theoretical	1		
2	0902231	Technical Writing	Theoretical	2		
3	0902351	Hydraulics Laboratory	Practical	1		
4	0902454	Wastewater Engineering Laboratory	Practical	1		

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SDG 17 Education for the SDGs**SDG 17.4.2 Education for SDGs: specific courses on sustainability**

Al-Zaytoonah University of Jordan offers a diverse range of courses across multiple disciplines to promote education for sustainability and support the Sustainable Development Goals (SDGs). In total, the university provides 1,453 courses in its bachelor's degree programs and 216 courses in its master's degree programs, with 44 specific curriculum offerings related to sustainability. The Alternate Energy program, for instance, includes 52 specialty courses covering labs and workshops focused on renewable energy. In the field of Civil and Infrastructure Engineering, students have access to 25 courses with a focus on sustainable infrastructure. The Department of Mechanical Engineering also contributes by offering courses such as Mechanical Systems in Green Buildings, which emphasize environmentally friendly engineering solutions.

To broaden students' understanding of sustainability, the university has two elective courses for all students: one covers the Principles of Energy Science, while the other, in information technology, includes chapters dedicated to green energy topics. Faculties across the university, including IT, Pharmacy, Nursing, Arts, Business, Engineering, and Architecture & Design, incorporate sustainability-related content into their programs. These courses ensure that students from various fields are exposed to concepts and practices related to the environment and sustainability, equipping them with the knowledge and skills to contribute positively to sustainable development initiatives in their future careers.

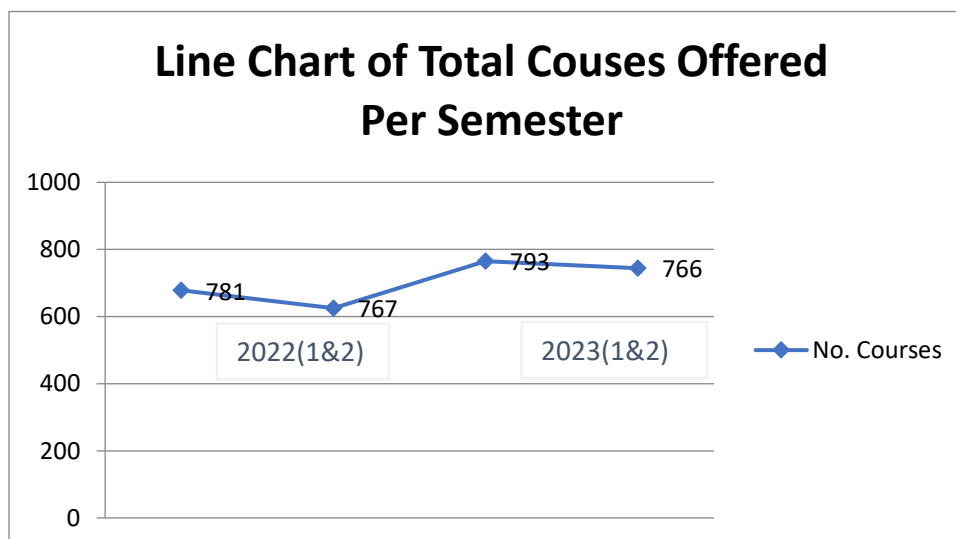
No.	Degree	No. of curriculum	No. of courses
1	Bachelor's Degree	32	1453
2	Master's Degree	12	216
Total		44	1669

<ol style="list-style-type: none"> The university has an Alternate Energy programs -Total number of especiality courses are 52 courses including labs and workshops. In Civil and Infrastructure Engineering, there are 25 courses. The Department of Mechanical Engineering provides course. Mechanical Systems in green buildings. The University has two university elective courses: the first one is in Principles of Energy Science, the second one is in information technology that has chapters related to green energy IT, Pharmacy, Nursing, Art, Business, Engineering, and Architecture& Design faculties in Al Zaytoonah University provide Courses/Modules Related to Environment and Sustainability 	<p>Example of Courses/Modules Related to Environment and Sustainability Offered</p> <p>(Al-Zaytoonah University of Jordan)</p>
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SPECIALTIES AND TUITION FEES				
Faculty of Science and Information Technology				
Specialization	Plan Hours	Fee /Credit Hour/ JD	Fee/Credit Hour/Dollar	Secondary School Admission Grade
Mathematics	133	60	85	60%
Computer Science	133	75	106	60%
Software Engineering	133	75	106	60%
Computer Science/Artificial Intelligence	133	75	106	60%
Cyber Security	133	75	106	60%
Physics	133	60	85	60%

<https://www.zuj.edu.jo/admission/specialties-and-tution-fees/>

- **Total number of courses/modules offered**



Total number of courses offered in 2022-2023 (Al-Zaytoonah University of Jordan)
Total number of courses offered in 2023-2024 = 1559 courses

- <https://portal.zuj.edu.jo/faces/ui/pages/guest/scheduleCourses/index.xhtml>
- Online Courses and Lectures: ([Link1](#), [Link2](#), [Link3](#), [Link4](#), [link5](#), [link6](#))

SDG 17 Education for the SDGs**SDG 17.4.3 Education for SDGs in wider community**

Education for sustainable development (ESD) is a cornerstone of Al-Zaytoonah University's commitment to advancing the Sustainable Development Goals (SDGs). Through both formal and non-formal education, Al-Zaytoonah University promotes knowledge, skills, values, and attitudes that empower individuals and communities to drive sustainable development. ESD concepts are integrated into formal education, where curricula are revised to incorporate sustainability, and faculty receive training to strengthen their ability to teach sustainability topics. Non-formal educational activities, such as workshops, seminars, and community programs, further reinforce sustainable values and provide practical knowledge on topics relevant to the SDGs. Advocacy and awareness campaigns highlight the significance of sustainable practices, encouraging broader participation in initiatives such as community gardens, recycling programs, and energy conservation projects. The university also promotes local engagement through partnerships with community organizations and government entities, creating a collaborative network for sustainability. Al-Zaytoonah utilizes online platforms and social media to share resources on ESD and the SDGs, extending its reach to engage both students and the wider community. To measure the effectiveness of its efforts, the university implements monitoring and evaluation processes, while celebrating achievements in sustainability and advocating for policies that support ESD and the SDGs. In fostering these initiatives, Al-Zaytoonah University of Jordan aims to cultivate a culture of sustainability and cultural understanding, empowering its community to make meaningful contributions to a sustainable future.

SDG 17

Partnerships for the Goals





- Youth Engagement: Al zaytoonah Involves young people in education for sustainable development initiatives.
- Long-Term Commitment
- Health Awareness Workshops the faculty of Nursing at Al-Zaytoonah University of Jordan held two health awareness workshops at the Ain Al-Basha Youth Center in the Al-Balqa Governorate Youth Directorate.
- The two workshops, which were carried out by a group of college students, dealt with first aid in cases of suffocation and burns, and dental care for children under the age of ten, in the presence of a number of local community women and a number of children.

- The supervisor of the activity, Dr. Andalib Abu Kamel, indicated that the activity also included measuring the health indicators of the participants and providing them with health advice. [Click Here \(Link\)](#)



- The measures of the Central Bank of Jordan in facing the effects of the Corona pandemic on the national economy Al-Zaytoonah University of Jordan hosted the Deputy Governor of the Central Bank of Jordan Dr.Sharkas explained the most important measures taken by the Central Bank of Jordan to confront the Corona pandemic, and indicated that the Central Bank of Jordan was the first institution that took the initiative to protect the national economy and enhance its capabilities to withstand the bilateral shock on the supply and demand sides resulting from the negative repercussions of the global pandemic, especially the cash flows of economic activities. [Click Here \(Link\)](#)



- Training Course on Mediation and Conflict Management The Faculty of Arts at Al-Zaytoonah University of Jordan, in cooperation with the Francophonie University Agency, organized a training course entitled (Mediation and its skills as a means and alternative to avoiding and managing conflicts), the content of which included the concept of mediation, its skills, types of conflicts and how to overcome them. The training course was implemented using the Zoom program over the days 4-5 October 2020, with a duration of (8) training hours. The course was attended by (30) faculty members at Al-Zaytoonah University of Jordan and other Jordanian universities. [Click Here \(Link\)](#).

- An Initiative for Early Detection of Breast Cancer The College of Nursing at Al-Zaytoonah University of Jordan organized an initiative for health education on the occasion of the pink month for early detection of breast cancer. The first is for community members. [Click Here \(Link\)](#)



- awareness lecture on the safe use of social networking sites for girls in secondary schools Al-Zaytoonah University of Jordan organized an awareness lecture entitled “The Safe Use of Social Networking Sites” delivered by Dr. Muhammad Abdullah at Umm Al-Basateen Secondary School for Girls, in the presence of the Chairman of the Educational Development Council of the Umm Al-Basateen Schools Network, Mr. Malik Al-Ajarmeh, the school director, Mrs. Hind Al-Saweer, and a number of teachers and students. [Click Here \(Link\)](#)



- The Arab Council for Training Students of Arab Universities (ACTSAU) [Click Here \(Link\)](#)



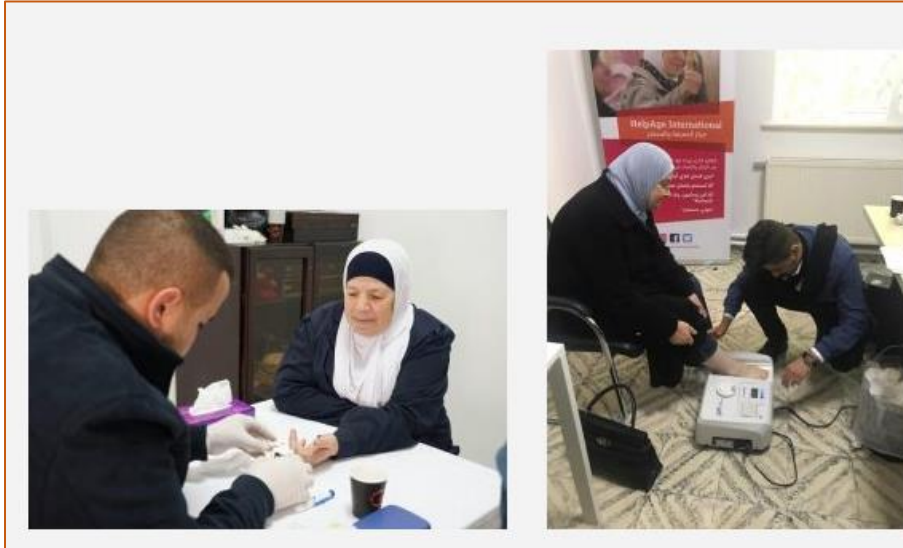
الطلبة العرب المتدربين في جامعة الزيتونة الأردنية صيف 2018-2019						
الترتيب	الاسم	التخصص	الكلية	الجامعة	الرقم الجامعي	مكان التدريب
1	رئيس مراد سمارة	الهندسة الكهربائية	الهندسة	بوليتكنك فلسطين	/	مختبرات الجامعة
2	حسن زكاد أبو علان	الهندسة الكهربائية	الهندسة	بوليتكنك فلسطين	/	مختبرات الجامعة
3	كوليت رشيد	الهندسة المدنية	الهندسة	بوليتكنك فلسطين	187567	مختبرات الجامعة
4	إلانة عبد الرؤوف شريف	الهندسة المدنية	الهندسة	بوليتكنك فلسطين	165218	مختبرات الجامعة
5	مهيوب محمود سراجة	الهندسة المدنية	الهندسة	بوليتكنك فلسطين	165342	مختبرات الجامعة
6	مروة مائل ساهسي	الهندسة المدنية	الهندسة	بوليتكنك فلسطين	173153	مختبرات الجامعة
7	تامر جهاد عواديد	الهندسة المدنية	الهندسة	بوليتكنك فلسطين	185614	مختبرات الجامعة
8	ثاني راشد اسعيد	الهندسة المدنية	الهندسة	بوليتكنك فلسطين	165025	مختبرات الجامعة
9	كلثوم ابراهيم ابو دية	الهندسة المدنية	الهندسة	بوليتكنك فلسطين	173196	مختبرات الجامعة
10	ريثا السامح عسوي	الهندسة المعمارية	الهندسة	بوليتكنك فلسطين	159296	مختبرات الجامعة
11	جود كوين زاهدة	الهندسة المعمارية	الهندسة	بوليتكنك فلسطين	155089	مختبرات الجامعة
12	حلمي صلاح هلاله	الهندسة المعمارية	الهندسة	بوليتكنك فلسطين	155184	مختبرات الجامعة
13	مهند ابراهيم خليل زباد	هندسة الاتصالات	الهندسة	بوليتكنك فلسطين	155161	مختبرات الجامعة
14	عزرا اسماعيل غلامي	هندسة الميكانيك	الهندسة	بوليتكنك فلسطين	172604	مختبرات الجامعة
15	سامر صلاح الدين هاشم	تصميم الجرافيك	الهندسة	بوليتكنك فلسطين	184302	مختبرات الجامعة
16	محمد حمزة د حيس	علم حاسوب	العلوم الإدارية وتظم المعلومات	بوليتكنك فلسطين	161033	مختبرات الجامعة
17	امروا اساميل الرابع	فنون الاعمال	العلوم الإدارية وتظم المعلومات	بوليتكنك فلسطين	187090	مختبرات الجامعة
18	محمد محمد عمن مزارع	الهندسة المدنية	الهندسة	البحر	11523947	مختبرات الجامعة
19	يوسف اسامة يوسف ظاهر	الهندسة المدنية	الهندسة	البحر	11440718	مختبرات الجامعة
20	احمد ثابت عطاري	الهندسة المدنية	الهندسة	البحر	11523706	مختبرات الجامعة
21	وجه اشرف محمد ناصح	الهندسة الميكانيكية	الهندسة	البحر	11523974	مختبرات الجامعة
22	احمد اسماعيل نسر	الهندسة الميكانيكية	الهندسة	البحر	11524015	مختبرات الجامعة
23	محمد اساميل نسر	الهندسة الميكانيكية	الهندسة	البحر	11524215	مختبرات الجامعة
24	علي ناصر محمود حوي	الهندسة الكهربائية	الهندسة	البحر	11523854	مختبرات الجامعة
25	أوليف سامر حسان	الهندسة الكهربائية	الهندسة	البحر	11523823	مختبرات الجامعة
26	اسامة محمد احمد علي	الهندسة الكهربائية	الهندسة	البحر	11524377	مختبرات الجامعة
27	ديما طارق نصاصيرة	الهندسة المعمارية	الهندسة	البحر	11523459	مختبرات الجامعة
28	محمد هيثم فريش	علم حاسوب	تظم المعلومات	البحر	11526167	مختبرات الجامعة
29	دانا عماد ابريوش	الاداءة و تفرين	الاداب	بهر زيت	1150181	مختبرات الجامعة
30	يوسف الواد هاشم	الاداءة و تفرين	الاداب	بهر زيت	1142425	مختبرات الجامعة
31	احمد جمال سامران	الهندسة المعمارية	الهندسة	بهر زيت	1151994	مختبرات الجامعة
32	كرونا احمد ابو حازم	تظم واداءة معنده	كوة الهندسة وتكنولوجيا المعلومات	العربية الأمريكية	201617073	مختبرات الجامعة
33	كرونا احمد ابو حازم	تظم واداءة معنده	كوة الهندسة وتكنولوجيا المعلومات	العربية الأمريكية	201617073	مختبرات الجامعة
34	دانيال عبد الحافظ حمة صالح	تظم واداءة معنده	كوة الهندسة وتكنولوجيا المعلومات	العربية الأمريكية	201617073	مختبرات الجامعة
35	محمد حسان الدين احمد	الهندسة المعمارية	الهندسة	اسيوط	150931	مختبرات الجامعة
36	رامي فاضل احمد	الهندسة المعمارية	الهندسة	اسيوط	150931	مختبرات الجامعة
37	احمد علي محمد علي	الهندسة الكهربائية	الهندسة	اسيوط	150931	مختبرات الجامعة
38	يوسف عبد العزيز	التصميم الجرافيكي	الهندسة	اسيوط	150931	مختبرات الجامعة
39	احمد عبد العزيز	التصميم الجرافيكي	الهندسة	اسيوط	150931	مختبرات الجامعة
40	احمد عبد العزيز	التصميم الجرافيكي	الهندسة	اسيوط	150931	مختبرات الجامعة
41	ابراهيم محمد عسوي	الهندسة المدنية	الهندسة	اسيوط	150931	مختبرات الجامعة
42	هبة اشرف محمد	الهندسة المدنية	الهندسة	اسيوط	150931	مختبرات الجامعة
43	يوسف عبد الجواد احمد	الهندسة المدنية	الهندسة	اسيوط	150931	مختبرات الجامعة
44	محمد فريش احمد	الهندسة المدنية	الهندسة	اسيوط	150931	مختبرات الجامعة
45	محمد احمد ناسي	الهندسة المدنية	الهندسة	اسيوط	150931	مختبرات الجامعة
46	سليم احمد عبد العليم	الهندسة المدنية	الهندسة	اسيوط	150931	مختبرات الجامعة
47	اسراء هادي محمد	الهندسة المدنية	الهندسة	اسيوط	150931	مختبرات الجامعة
48	احمد فاضل احمد	الهندسة المدنية	الهندسة	اسيوط	150931	مختبرات الجامعة
49	احمد محمد عبد الله	الهندسة المدنية	الهندسة	اسيوط	150931	مختبرات الجامعة
50	محمد عبد العزيز الفاضل	الهندسة المدنية	الهندسة	اسيوط	150931	مختبرات الجامعة

- Training program in developing Mathematics Teaching practices in elementary schools
Al-Zaytoonah University of Jordan held an educational event at Umm Al-Basateen Comprehensive School for Girls on the occasion of the conclusion of the research project supported by Al-Zaytoonah University, which aims to develop the teaching practices of mathematics teachers in the Umm Al-Basateen area. [Click Here \(Link\)](#)

- Lecture on the awareness of the safe use of social networking sites for girls in secondary schools Al-Zaytoonah University of Jordan organized an awareness lecture entitled “The Safe Use of Social Networking Sites” delivered by Dr. Muhammad Abdullah at Umm Al-Basateen Secondary School for Girls, in the presence of the Chairman of the Educational Development Council of the Umm Al-Basateen Schools Network, Mr. Malik Al-Ajarmeh, the school director, Mrs. Hind Al-Saweer, and a number of teachers and students. [Click Here \(Link\)](#)
- Honoring teachers participating in the training program in developing teaching practices Al-Zaytoonah University of Jordan held an educational event at Umm Al-Basateen Comprehensive School for Girls on the occasion of the conclusion of the research project supported by Al-Zaytoonah University, which aims to develop the teaching practices of mathematics teachers in the Umm Al-Basateen area. [Click Here \(Link\)](#)



- Health and cultural day for the elderly The Faculty of Arts at Al-Zaytoonah University of Jordan organized a cultural, health and social day in cooperation with the Jordan International Organization to Help the Elderly in Jabal Al-Weibdeh. [Click Here \(Link\)](#)

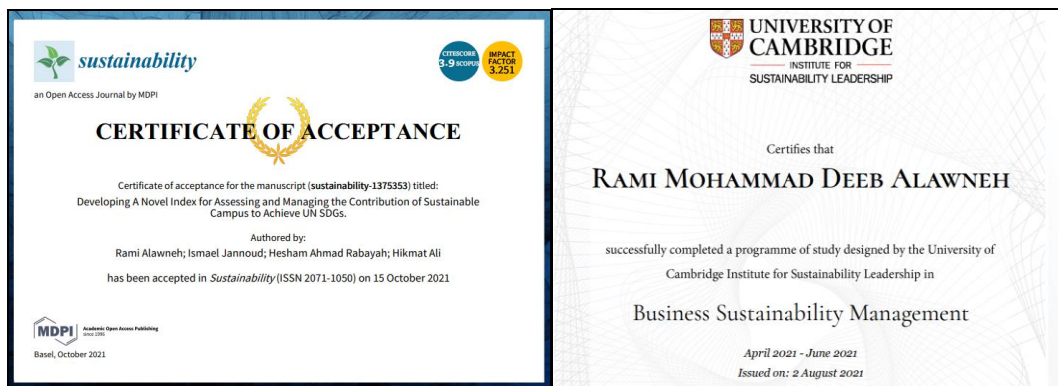


- a volunteer day in the service of the local community at Maghair Muhanna Basic School in Al-Muwaqar District The Deanship of Student Affairs / Division of Cultural and Social Activity at Al-Zaytoonah University of Jordan, in cooperation with the Public Service Club and the Warm Jordan Initiative, organized an open charitable day event at the Moghayer Muhanna Basic Mixed School in Al-Muwaqar Brigade, in line with the university's mission to serve the community, where university students contributed to organizing paragraphs This day, drawing a smile on the children's faces through face painting activity, presenting the magician's paragraph, attracting and wearing cartoon characters' costumes and wearing them to bring joy and pleasure to their hearts, and distributing prizes and gifts to students [Click Here \(Link\)](#)



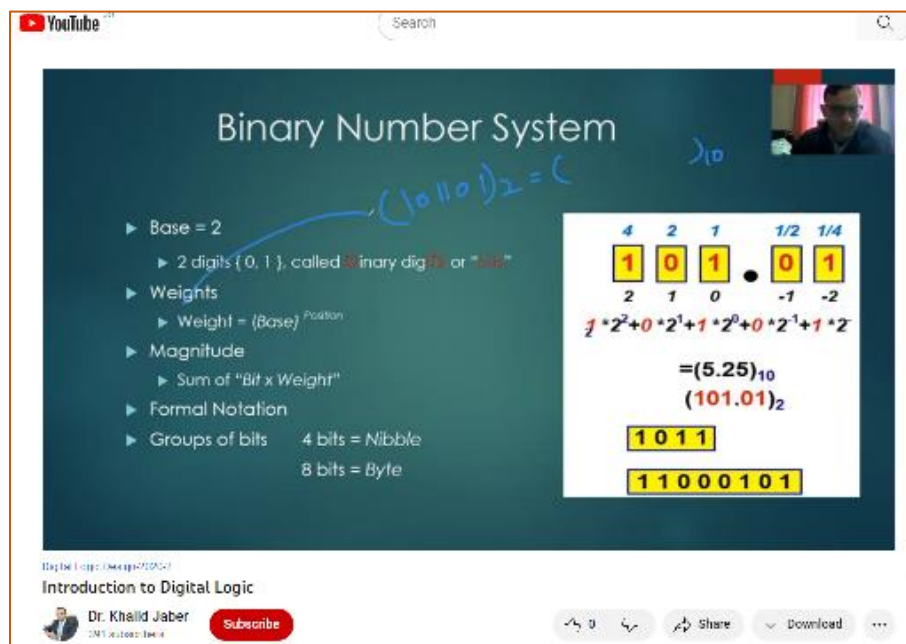
- The United Nations Global Compact–Accenture CEO Sustainability Study [Click Here \(Link\)](#)

Workshop



Online Courses and Lectures

- Introduction to Digital Logic [Click Here \(Link\)](#)



Binary Number System

- ▶ Base = 2
 - ▶ 2 digits { 0, 1 }, called **binary digits** or "**bits**"
- ▶ Weights
 - ▶ Weight = (Base)^{Position}
- ▶ Magnitude
 - ▶ Sum of "Bit x Weight"
- ▶ Formal Notation
 - ▶ Groups of bits 4 bits = Nibble
 - 8 bits = Byte

Example: $(101.01)_2 = ?$

4	2	1	1/2	1/4
1	0	1	0	1
2	1	0	-1	-2

$1 \times 2^2 + 0 \times 2^1 + 1 \times 2^0 + 0 \times 2^{-1} + 1 \times 2^{-2}$

$= (5.25)_{10}$

$(101.01)_2$

1011

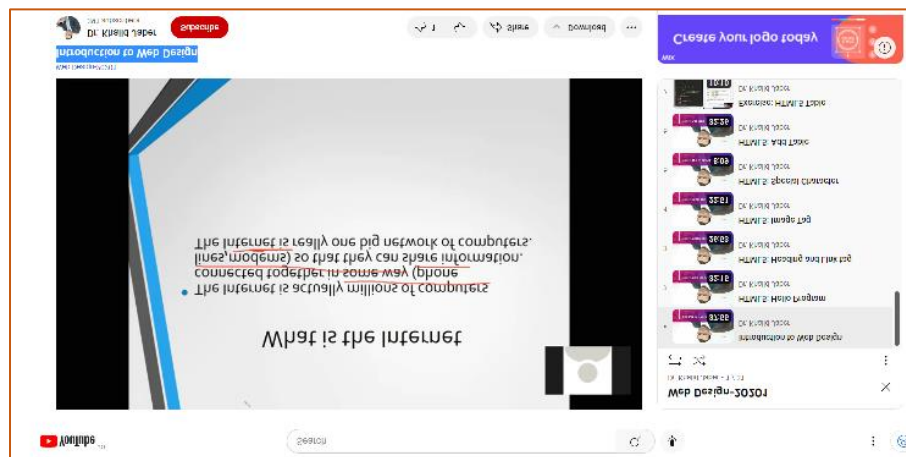
11000101

Dr. Khalid Jaber

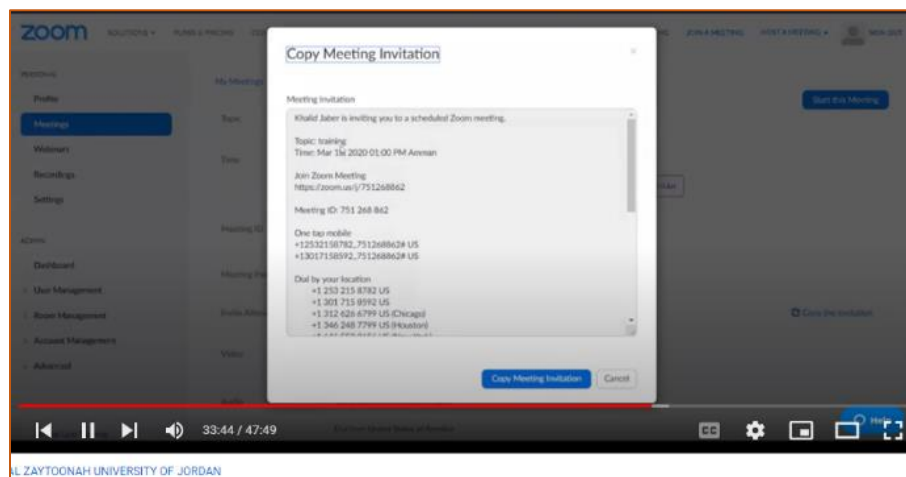
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- Introduction to Web Design [Click Here \(Link\)](#)



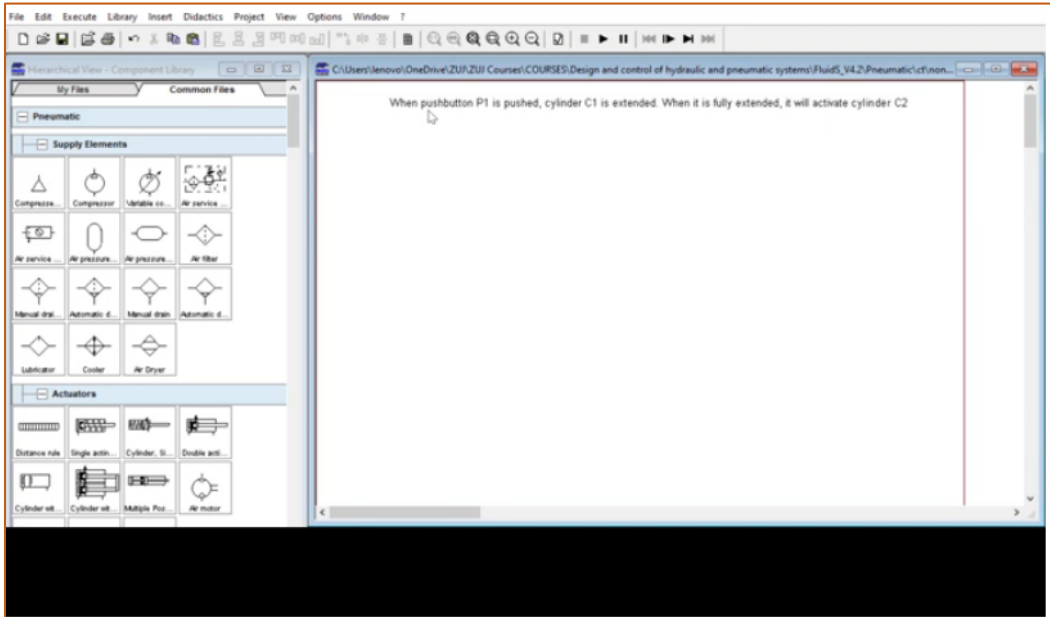
- How to transmit a simultaneous lecture to students using a Microsoft team Zoom program [Click Here \(Link\)](#)



SDG 17

Partnerships for the Goals

- Hydraulics & Pneumatics - FluidSim - Example1 [Click Here \(Link\)](#)

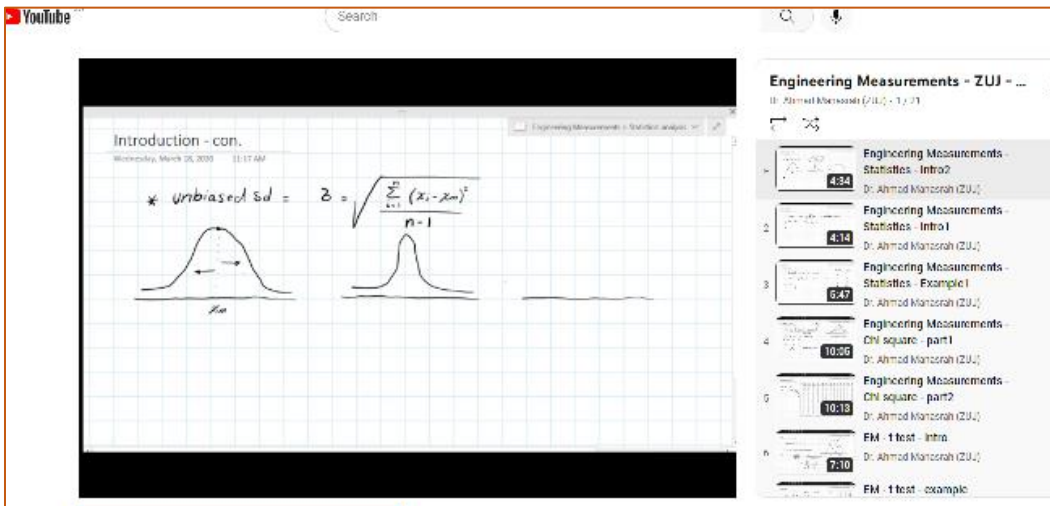


Hydraulics & Pneumatics - FluidSim - Example1

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- Engineering Measurements - Statistics - Intro2 [Click Here \(Link\)](#)



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1. **Engineering Measurements - Statistics - Intro2** (4:34)
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2. **Engineering Measurements - Statistics - Intro1** (4:14)
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3. **Engineering Measurements - Statistics - Example1** (5:47)
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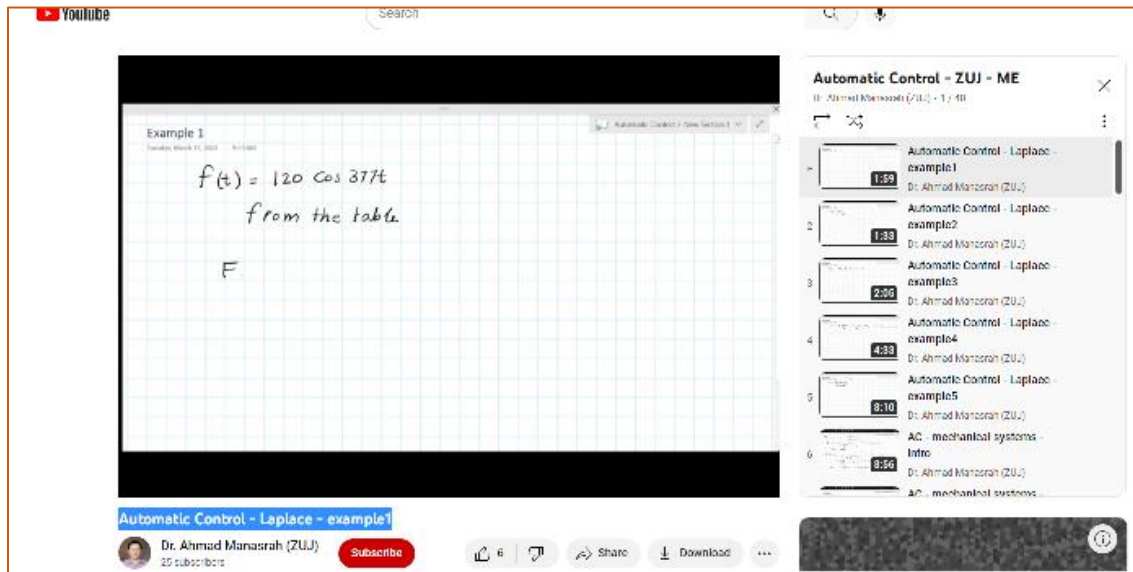
4. **Engineering Measurements - Chi square - part1** (10:56)
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5. **Engineering Measurements - Chi square - part2** (10:13)
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6. **FM - t test - intro** (7:10)
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7. **FM - t test - example**

- Automatic Control - Laplace - example1 [Click Here \(Link\)](#)



Example 1

$$f(t) = 120 \cos 377t$$

from the table

F

Automatic Control - Laplace - example1

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- Automatic Control - Laplace - example4 4:33 Dr. Ahmad Manasrah (ZUJ)
- Automatic Control - Laplace - example5 8:10 Dr. Ahmad Manasrah (ZUJ)
- AC - mechanical systems - Intro 8:56 Dr. Ahmad Manasrah (ZUJ)
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