جامعــة الزيتونــة الأردنيــة
Al-Zaytoonah University of Jordan
كلية العلوم وتكنولوجيا المعلومات
Faculty of Science and Information Technology

" عراقة وجودة"
"Tradition and Quality"

نموذج مصفوفة ارتباط المواد الدراسية بأساليب والتعلم وطرائق التقويم – إجراءات إعداد الخطة الدراسية وتحديثها / قسم الأمن السيبراني	QF01/0415-3.0

Faculty	Science and IT	**Department**	Cybersecurity	**Program**	Cybersecurity
Plan Number	2022-2021	**Date pf Approval**		**Number of Program Courses**	

Note: this form only for major courses .

Measurement and Evaluation Methods	Teaching Methods	Course Name	Course No.
– Performance-based evaluation: performance. –Pen and paper: a test, paragraphs with a specific answer, paragraphs with an open answer (problem solving). – Observation: questions and answers. – Evaluation tool: checklist.	– Direct teaching: – (Lecture, questions and answers, worksheets/worksheets, demonstration, exercises and exercises, reading activities, problem solving and investigation).	Introduction to Information Technology	0125130
– Performance-based evaluation: performance. – Pen and paper: a test, paragraphs with a specific answer, paragraphs with an open answer (problem solving). – Observation: questions and answers. – Evaluation tool: checklist.	– Direct teaching: – (Lecture, questions and answers, worksheets/worksheets, demonstration, exercises and exercises, reading activities, problem solving and investigation).	Statistics and Probabilities	0101140

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– Performance-based evaluation: performance. – Pen and paper: a test, paragraphs with a specific answer, paragraphs with an open answer (problem solving). – Observation: questions and answers. – Evaluation tool: checklist..	– Direct teaching: – (Lecture, questions and answers, workbooks/worksheets, presentation, exercises and exercises, reading activities, problem solving and investigation).	Discrete Mathematics	0112110
– Performance-based evaluation: performance. – Pen and paper: a test, paragraphs with a specific answer, paragraphs with an open answer (problem solving). – Observation: questions and answers. – Evaluation tool: checklist.	– Direct teaching: – (Lecture, questions and answers, workbooks/worksheets, presentation, exercises and exercises, reading activities, problem solving and investigation).	Communication Skills and Professional Ethics	0114150
– Performance-based evaluation: performance. – Pen and paper: a test, paragraphs with a specific answer, paragraphs with an open answer (problem solving). – Observation: questions and answers. – Evaluation tool: checklist.	– Direct teaching: – (Lecture, questions and answers, workbooks/worksheets, presentation, exercises and exercises, reading activities, problem solving and investigation).	Calculus (1)	0101101

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Measurement and Evaluation Methods	Teaching Methods	Course Name	Course No.
− Performance−based evaluation: presentation, presentation, performance, speech, and discussion. − Pen and paper: a test, paragraphs with a specific answer, paragraphs with an open answer (problem solving). − Observation: questions and answers, communication, interview. − Evaluation tool: checklist.	− Direct teaching: − (Lecture, questions and answers, workbooks/worksheets, presentation, exercises and exercises, reading activities, problem solving and investigation). − Individual or group learning: (Discussion, interview, group cooperative learning).	Principles of Programming	0112120
− Performance−based evaluation: presentation, presentation, performance, speech, and discussion. − Pen and paper: a test, paragraphs with a specific answer, paragraphs with an open answer (problem solving). − Observation: questions and answers. − Evaluation tool: checklist.	− Direct teaching: − (Lecture, questions and answers, worksheets/worksheets, presentation, exercises and exercises, reading activities, problem solving and investigation).	Object−Oriented Programming	0112220
− Performance−based evaluation: presentation, presentation, and performance. − Pen and paper: a test, paragraphs with a specific answer, paragraphs with an open answer (problem solving). − Observation: questions and answers. − Evaluation tool: checklist.	− Direct teaching: (Lecture, questions and answers, workbooks/worksheets, presentation, exercises and exercises, reading activities, problem solving and investigation).	Internet Application Programming	0125220

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Measurement and Evaluation Methods	Teaching Methods	Course Name	Course No.
– Performance-based evaluation: presentation and presentation, performance. – Pen and paper: a test, paragraphs with a specific answer, paragraphs with an open answer (problem solving). – Observation: questions and answers. – Evaluation tool: checklist.	– Direct teaching: (Lecture, questions and answers, workbooks/worksheets, presentation, exercises and exercises, reading activities, problem solving and investigation).	Computer Networks (1)	0125131
– Performance-based evaluation: presentation, presentation, and performance. – Pen and paper: a test, paragraphs with a specific answer, paragraphs with an open answer (problem solving). – Observation: questions and answers. – Evaluation tool: checklist.	– Direct teaching: – (Lecture, questions and answers, workbooks/worksheets, presentation, exercises and exercises, reading activities, problem solving and investigation). – Individual or group learning: – (Discussion, interview, group cooperative learning).	Principles of Cybersecurity	0125231
– Performance-based evaluation: presentation, presentation, and performance. – Pen and paper: a test, paragraphs with a specific answer, paragraphs with an open answer (problem solving). – Observation: questions and answers. – Evaluation tool: checklist.	– Direct teaching: (Lecture, questions and answers, workbooks/worksheets, presentation, exercises and exercises, reading activities, problem solving and investigation).	Data and Information Security	0125232

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− Performance−based evaluation: presentation, presentation, and performance. − Pen and paper: a test, paragraphs with a specific answer, paragraphs with an open answer (problem solving). − Observation: questions and answers. − Evaluation tool: checklist.	− Direct teaching: (Lecture, questions and answers, workbooks/worksheets, presentation, exercises and exercises, reading activities, problem solving and investigation).	Infrastructure Security Using Linux	0125233
− Performance−based evaluation: presentation, presentation, and performance. − Pen and paper: a test, paragraphs with a specific answer, paragraphs with an open answer (problem solving). − Observation: questions and answers. − Evaluation tool: checklist.	− Direct teaching: (Lecture, questions and answers, workbooks/worksheets, presentation, exercises and exercises, reading activities, problem solving and investigation).	Data Structure and Algorithms	0125312
− Performance−based evaluation: presentation, presentation, and performance. − Pen and paper: a test, paragraphs with a specific answer, paragraphs with an open answer (problem solving). − Observation: questions and answers. − Evaluation tool: checklist.	− Direct teaching: (Lecture, questions and answers, workbooks/worksheets, presentation, exercises and exercises, reading activities, problem solving and investigation).	Programming in Python for Cybersecurity	0125323

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Measurement and Evaluation Methods	Teaching Methods	Course Name	Course No.
– Performance-based evaluation: presentation, presentation, performance, speech, and discussion. – Pen and paper: a test, paragraphs with a specific answer, paragraphs with an open answer (problem solving). – Observation: questions and answers, communication, interview. – Evaluation tool: checklist.	– Direct teaching: – (Lecture, questions and answers, workbooks/worksheets, presentation, exercises and exercises, reading activities, problem solving and investigation). – Individual or group learning: – (Discussion, interview, group cooperative learning).	Software Security	0125334
– Performance-based evaluation: presentation, presentation, and performance. – Pen and paper: a test, paragraphs with a specific answer, paragraphs with an open answer (problem solving). – Observation: questions and answers, communication, interview. – Evaluation tool: checklist.	– Direct teaching: (Lecture, questions and answers, workbooks/worksheets, presentation, exercises and exercises, reading activities, problem solving and investigation).	Internet Application Development	0114324
– Performance-based evaluation: presentation, presentation, and performance. – Pen and paper: a test, paragraphs with a specific answer, paragraphs with an open answer (problem solving). – Observation: questions and answers, communication, interview. – Evaluation tool: checklist.	– Direct teaching: (Lecture, questions and answers, workbooks/worksheets, presentation, exercises and exercises, reading activities, problem solving and investigation).	Operating Systems	0112333

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– Performance-based evaluation: presentation, presentation, and performance. – Pen and paper: a test, paragraphs with a specific answer, paragraphs with an open answer (problem solving). – Observation: questions and answers, communication, interview. – Evaluation tool: checklist.	– Direct teaching: (Lecture, questions and answers, workbooks/worksheets, presentation, exercises and exercises, reading activities, problem solving and investigation).	Network Security	0125435
– Performance-based evaluation: presentation, presentation, performance, speech, and discussion. – Pen and paper: a test, paragraphs with a specific answer, paragraphs with an open answer (problem solving). – Observation: questions and answers, communication, interview. – Evaluation tool: checklist.	– Direct teaching: – (Lecture, questions and answers, workbooks/worksheets, demonstration, exercises and exercises, reading activities, problem solving and investigation). – Individual or group learning: – (Discussion, interview, group cooperative learning).	Digital Logic Design	0112231
– Performance-based evaluation: presentation, presentation, performance, speech, and discussion. – Observation: questions and answers, communication, interview. – Evaluation tool: checklist.	– Individual or group learning: – (Discussion, interview, group cooperative learning).	Cipher Theory	0125244

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– Performance-based evaluation: presentation, presentation, performance, speech, and discussion. – Pen and paper: a test, paragraphs with a specific answer, paragraphs with an open answer (problem solving). – Observation: questions and answers. – Evaluation tool: checklist.	– Direct teaching: (Lecture, questions and answers, workbooks/worksheets, presentation, exercises and exercises, reading activities, problem solving and investigation).	Ethical Hacking in Cybersecurity	0125248
– Performance-based evaluation: presentation, presentation, and performance. – Pen and paper: a test, paragraphs with a specific answer, paragraphs with an open answer (problem solving). – Observation: questions and answers, communication, interview. – Evaluation tool: checklist.	– Direct teaching: (Lecture, questions and answers, workbooks/worksheets, presentation, exercises and exercises, reading activities, problem solving and investigation).	Computer Networks (2)	0125245
– Performance-based evaluation: presentation, presentation, and performance. – Observation: questions and answers, communication, interview. – Evaluation tool: checklist.	– Individual or group learning: – (Discussion, interview, group cooperative learning).	Databases and Security	0125241

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− Performance−based evaluation: presentation, presentation, and performance. − Observation: questions and answers, communication, interview. − Evaluation tool: checklist.	− Direct teaching: (Lecture, questions and answers, workbooks/worksheets, presentation, exercises and exercises, reading activities, problem solving and investigation).	Data Analysis	0125340
− Performance−based evaluation: presentation, presentation, and performance. − Pen and paper: a test, paragraphs with a specific answer, paragraphs with an open answer (problem solving). − Observation: questions and answers, communication, interview. − Evaluation tool: checklist.	− Direct teaching: (Lecture, questions and answers, workbooks/worksheets, presentation, exercises and exercises, reading activities, problem solving and investigation).	Data Safety and Authentication	0125346
− Performance−based evaluation: presentation, presentation, and performance. − Pen and paper: a test, paragraphs with a specific answer, paragraphs with an open answer (problem solving). − Observation: questions and answers, communication, interview. − Evaluation tool: checklist.	− Direct teaching: (Lecture, questions and answers, workbooks/worksheets, presentation, exercises and exercises, reading activities, problem solving and investigation).	Secure Communication Protocols	0125347

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Approved by Course Plan Committee	Plan Committee Chair	In Meeting Number	2
Approved in the Department Council Meeting Number		Date of Meeting	
Signature of the Department Chair	Dr. Farhan Farhan	Signature of the Dean	