

Topic	Week	ILOs	ABET Outcomes	TLA (teaching, learning and Assessment)
Propositional Logic	1	A1	a	T: Lecture L: Reading Section 1.1 A: Assignments: selective questions from Q:11,13,14,16,17,18,19,31-39 in Pages 13-15. Or Quiz on Truth table, translation Midterm, Final
- Applications of Propositional Logic - Propositional Equivalences	2	A1, B2, C2, D2	a,b	T: Lecture and discussion L: Reading Sections 1.2, 1.3 A: Assignments: selective questions from Q:2,3,5-10 in Pages 22-23, Or Assignments: selective questions from Q:1-6,9-33 in Pages 34-35, Or Quiz on Translation, Program Specification, proposition equivalences. Midterm, Final

الإصدار: 1/1
التاريخ: 08/15/
الصفحات: 8/5

الجامعة الأردنية
رمز النموذج: QF-AQAC-03.02B
اسم النموذج: مخطط المادة الدراسية

Predicates and quantifiers Nested quantifiers	3	A1, B2	a	T: Lecture and discussion L: Reading Sections 1.4, 1.5 A: Assignments: selective questions from Q:9-16,22-29,35,36,43, in Pages 53-56, Or Assignments: selective questions from Q:1,2,8-17,24-28 in Pages 64-67, Or Quiz on Quantifications Midterm, Final
Rules of Inference	4	A1, B1, C2, D1, D2	a,b	T: Lecture and discussion L: Reading Section 1.6 A: Assignments: selective questions from Q:6,9,10,15,17,23-29 in Pages 78-80 Or Quiz on Inference rules Midterm, Final
Introduction to proofs	5	A1, C1	a	T: Lectures and discussion L: Reading Section 1.7 A: Assignments: selective questions from Q:1,2,6,17,18,26,27 in Page 91 Or Quiz on Proofs Midterm, Final
Sets Set operations	6	A2, B3, C2, D2	a,b	T: Lecture and discussion L: Reading Sections 2.1, 2.2 A: Assignments: selective questions from Q:1,2,5-24,27,32, in Pages 125-126, Or selective questions from Q:3,4,25,29,47 in Pages 136-137, Or Quiz on Set operations Midterm, Final
Functions Sequences and summations	7	A3, B4, B5, C2	a	T: Lectures and discussion L: Reading Section 2.3, 2.4 T: Lecture and discussion L: Reading Sections 2.1, 2.2 A: Assignments: selective questions from Q:8-15,22,23 in Pages 152-153, Or selective questions from Q:1-4,29-34 in Pages 167-169, Or Quiz on Function Operators, Function properties, find a sequence formula. or summation. Short test Final

Midterm exam	9			A: Written exam on materials in Sections 1.1-1.7 and Sections 2.1, 2.2
Divisibility and modular arithmetic Primes and greatest common divisors	10	A5, B8	a,b	T: Lecture and discussion L: Reading Sections 4.1, 4.3 A: Assignments: selective questions from Q:9,10,20-25,28,29. in Pages 244-245., Or Assignments: selective questions from Q:1-4,14-17,24,25, in Pages 272-273, Or Quiz on Finding mod, prime factorization, GCD, LCM Short test, Final

الإصدار: 1/1

التاريخ: 08/15

الصفحات: 8/6

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اسم النموذج: مخطط المادة الدراسية

Mathematical Induction	10	A1,B2, C1	a	T: Lecture, and discussion L: Reading Sections 5.1 A: Assignments: selective questions from Q:5, 14-16 in Pages 329-330, Or Quiz on proving by induction Short test, Final
Relations and their properties Representing relations Closures of relations Equivalence relations Short Exam	11,12	A7, B6, B7, C2, D2	a,b	T: Lecture and discussion L: Reading Sections 9.1, 9.3, 9.4, 9.5 A: Assignments: selective questions from Q:3,6,7,26-28,30,32. In Pages 581-583, Or selective questions from Q:1-4,13-15,22-28, in Pages 296-297, Or selective questions from Q:2,3,25,26, in Pages 606-607, Or selective questions from Q1,21,23,24 In Pages 615,616 Or Quiz on relation operator or representation. Final Short test in Sections: 2.3, 2.4, 2.6, 4.1, 4.3, 5.1
Graphs and graph models Graph terminology and special types of graphs Representing graphs Connectivity	13	A8, B6, B7, C2, D2	a,b	T: Lecture and discussion L: Reading Sections 10.1, 10.2, 10.3, 10.4 A: Assignments: selective questions from Q:1-3,20,35., in Pages 665-667, Or selective questions from Q:1-15 in Page 675, Or selective questions from Q:1-5, In Page 689 Or Quiz on graph terminology or representation. Final
Introduction to trees Tree Traversal	14	A9, B6, C2, D2	a	T: Lecture and discussion L: Reading Sections 11.1, 11.3 A: Assignments: selective questions from Q:1-9 in Page 755, Or selective questions from Q:7-16,23,24 in Pages 783-784 Or Quiz on Tree terminology or tree traversal.