

Syrian Arab Republic	 الجامعة الافتراضية السورية SYRIAN VIRTUAL UNIVERSITY	الجمهورية العربية السورية
Ministry of Higher Education and Scientific Research		وزارة التعليم العالي والبحث العلمي
Syrian Virtual University		الجامعة الافتراضية السورية

Course Description: Teaching and learning in medical education

1- Basic Information:

Course Name	Teaching and learning in medical education
Course ID	TLME
Contact Hours (Registered Sessions)	16
Contact Hours (Synchronized Sessions)	16
Mid Term Exam	-
Exam	75 minutes
Registered Sessions Work Load	16
Synchronized Session Work Load	16
Credit Hours	7

2- Pre-Requisites:

Course	ID
-	-

3- Course General Objectives:

This course deals with strategies of teaching and learning in medical education. It aims at developing the skills and roles of medical education students as clinical teachers. In addition, it aims at enabling them to make use of appropriate teaching strategies and theories of learning to reinforce their clinical practices, in light of quality assurance standards, at clinics, hospitals and healthcare centers in accordance with the needs of the Syrian community.

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4- Intended Learning Outcomes (ILO):

At the end of the course, students will be able to

Code	Intended Learning Outcomes
ILO1	Explain modern strategies of teaching and learning theories
ILO2	Identify new learning space and teaching environment in light of technological developments
ILO3	Explain autonomous learning instruments and resources
ILO4	Apply modern ways and instruments based on intended-learning outcomes in order to take the clinical appropriate decision at the right time
ILO5	Develop learning strategies in light of modern learning instruments and environments
ILO6	Develop modern methods of teaching and learning at medical faculties and design technical scientific clinical activities for training novice doctors in order to deal with problem-based learning
ILO7	Organize clinical interactive learning seminars using modern technologies
ILO8	Use modern learning techniques to organize interactive teaching seminars
ILO9	Design lessons based on clinical problem-based learning
ILO10	Plan and implement various strategies to make change happen at medical faculties
ILO11	Develop individual learning skills using problem-solving and critical learning strategies
ILO12	Interact actively with colleagues and other members of the medical team
ILO13	Administer small and large teaching -learning groups effectively
ILO14	Develop skills of PowerPoint presentations and skills effectively

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5- Course Syllabus (24 hours of total synchronized sessions; 24 hours of total Recorded Sessions)

- **RS:** Recorded Sessions; **SS:** Synchronized Sessions;

ILO	Course Syllabus	RS	SS	Type	Additional Notes
ILO 1	Learning domains or Bloom's taxonomy of educational objectives: the three types of learning			Exercises Assignments	
ILO 2	Procedures of lesson design			Exercises Assignments	
ILO 3	Teaching for the desired learning outcomes			Exercises Assignments	
ILO 4	Applying educational theory in practice			Exercises Assignments	
ILO 5	Principles of teaching and learning theories			Exercises Assignments	
ILO 6	Principles of teaching and learning			Exercises Assignments	
ILO 7	Teaching methods			Exercises Assignments	
ILO 8	Selecting appropriate teaching methods: mass instruction techniques			Exercises Assignments	
ILO 9	Selecting appropriate teaching methods: individualized learning techniques			Exercises Assignments	
ILO 10	Selecting appropriate teaching methods: group learning techniques			Exercises Assignments	
ILO 11	Teaching large groups			Exercises Assignments	
ILO 12	One-to-one teaching and feedback			Exercises Assignments	
ILO 13	Teaching and learning in the clinical environment			Exercises Assignments	

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ILO 14	Creating teaching materials			Exercises Assignments	
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6- Assessment Criteria (Related to ILOs)

ISC	Interactive Synchronized Collaboration	Ex	Exams	Rpt	Reports
PF2F	Presentations and Face-to-Face Assessments	PW	Practice Work		

ILO Code	ILO	Intended Results	Assessment Type				
			ISC	PW	Ex	PF2F	Rpt
ILO1	Learning domains or Bloom's taxonomy of educational objectives: the three types of learning		✓		✓		✓
ILO2	Procedures of lesson design		✓		✓		✓
ILO3	Teaching for the desired learning outcomes		✓		✓		✓
ILO4	Applying educational theory in practice		✓		✓		✓
ILO5	Principles of teaching and learning theories		✓		✓		✓
ILO6	Principles of teaching and learning		✓		✓		✓
ILO7	Teaching methods		✓		✓		✓
ILO8	Selecting appropriate teaching methods: mass learning techniques		✓		✓		✓
ILO 9	Selecting appropriate teaching methods: individualized learning techniques		✓		✓		✓
ILO 10	Selecting appropriate teaching methods: group learning techniques		✓		✓		✓
ILO 11	Teaching large groups		✓		✓		✓
ILO 12	One-to-one teaching and feedback		✓		✓		✓
ILO 13	Teaching and learning in the clinical environment		✓		✓		✓
ILO 14	Creating teaching materials		✓		✓		✓

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7-Practice Tools:

Tool Name	Description

8-Main References

Cantillon, P.; Hutchinson,L.; Wood, D. (eds.) 2003. *ABC of Learning and teaching in medicine*. London: BMJ Publishing Group.

9-Additional References

Kjellgren, K. I. et al. 2008. Learning to learn and learning to teach – Introduction to studies in higher education. *Medical teacher*, 30, 239-245.

Ellaway, R. &Masters, K. 2008. AME Guide 32:e-learning in medical education. Part 1: language, teaching and assessment. *Medical teacher*, 30. 455-473.

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Kilminster, S. et al. 2007. AME Guide 27: Effective educational and clinical supervision .*Medical teacher*, 29,2-19.

Harden, R.M. & Crosby, J. 2000. AME Guide NO.20: The good teacher is more than a lecturer- The twelve roles of teacher. *Medical teacher*, 22,(4), 334-347.