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Ministry of Higher Education and Scientific Research		وزارة التعليـم العالــــي والبحث العلمي
Syrian Virtual University		الجامعة الافتراضيّة السوريّة

Course Syllabus

1- Basic Information:

Course Name	Transfer, diffusion and development of technology
Course ID	TDT
Contact Hours (Registered Sessions)	16 Hours
Contact Hours (Synchronized Sessions)	16 Hours
Mid Term Exam	-
Exam	1h15min
Registered Sessions Work Load	16 Hours
Synchronized Session Work Load	16 Hours
Credit Hours	6

2- Pre-Requisites: No pre-requisite is needed.

3- Course Objectives:

The aim of this course is to provide students with the necessary knowledge about the transfer, resettlement and development of technology applied in the working life, and to identify the mechanisms of their implementation through practical examples, so that they can deal with them and expand them when required.

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4−Intended Learning Outcomes (ILO):

Code	Intended Learning Outcomes
ILO1	**Explain:** Technology concepts. Concepts of technology transfer. Concepts of technology management Factors influencing the choice of appropriate technology. Appropriate technology selection mechanism Requirements for localization of appropriate technology
ILO2	**Explain :** Transfer of technology as a concept and requirements. Factors Affecting Technology Transfer Process Preparation for technology transfer. Transfer and localization of technology. Mechanisms for technology development and export Expected obstacles in technology transfer.
ILO3	**Explain:** Concept of technological knowledge. Mechanisms that constitute technological knowledge. Mechanisms and systems for knowledge management in institutions Relationship between Quality Management Systems and Technology
ILO4	Explain some Success Story of Technology Transfer: Malaysia China

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	Ireland
ILO5	**Explain** : The strategy. Steps & Operations of Strategic Management. Specificities of strategic management of technology Policy requirements in technology transfer Market requirements in technology transfer Place requirements in the technology transfer process Requirements of human frameworks in technology transfer process Requirements of the social environment in technology transfer process

5-Course content (16 hours of synchronized sessions)

Chapter Number	Chapter Title	Summary	ILO
1	Terms & Definitions in Technology Transfer	Explain Terms & Principle of Technology & Technology Transfer.	**ILO1**
2	Technology Transfer	Explain concept of technology Transfer and its requirements, and Factors Affecting Technology Transfer Process.	**ILO2**
3	Management of technological knowledge	Explain Concept of technological knowledge, Mechanisms that constitute technological knowledge, Mechanisms and systems for knowledge management in institutions,	**ILO3**

		Relationship between Quality Management Systems and Technology	
4	the success Story of Technology Transfer	This chapter explains and analyzes the international success stories of technology transfer.	**ILO4**
5	Strategic Management Of Technology	Explain the concept of strategic management, and it's application in the field of technology management.	**ILO5**

6-Assessment Criteria (Related to ILOs)

ILO codes	Intended Learning Outcomes	Home work	Synchronized Sessions	Exam
	To achieve ILO the student should be able to:			
ILO1	Use Correctly Terms & Principle of Technology & Technology Transfer	*	*	*
ILO2	Apply usefully the concept of technology Transfer, its requirements, and Factors Affecting Technology Transfer Process.	*	*	*
LO3	Apply the Concept of technological knowledge, Mechanisms in building knowledge management systems.	*	*	*
ILO4	Analyzes the international success stories of technology transfer, to benefit from it in own practices.	*	*	*

ILO5	Use the concept of strategic management, and it's application to develop own strategy .	*	*	*

7-Main References

- All content of the course can be downloaded from Moodle course page as Pdf files and registered sessions.

- Synchronized sessions.

8-Additional References

1- Paul G.Waugaman, Louis G. Tornatzky, Ben Best Practices for University-Industry Technology Transfer:Working with External Patent counsel. July 1999 USA.

2- Federal Laboratory Consortium for Technology Transfer
   A Comprehensive Introduction to Technology Transfer May 2006

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4- Sarah Yue ting tong
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hongkomg institute of economics and business strategies. university of hong kong
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5 - راكي مكشاري
من متسول إلى نمر " القصة الحقيقة لازدهار ايرلندا الاقتصادي"
مقتطفات من كتاب CELLIC TIGER توزيع غرفة صناعة دمشق

6- Oxford innovation
Best practices in the facilitation of Technology Transfer Oxford Center for innovation.
1995.

7- Albert g.z.hu, gray h. jefferson, qian jinchang r&d and technology transfer:firm-level evidence from chinese industry.china national bureau of statistics. dec.22.2004

8- Mark Cromwell
 Best practices in Technology commercialization NASULGS/CECEPS Meeting
 g.June 2005

9- Pittsblog
  Best practices in Technology Transfer
  http.//pittsblog blogspot.com/2007/03/best-practices-in-tech-transfer html

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