

Course Specification Card for “Stem Cell Therapy”

College	College of Medicine	Department	Medical Education			
Course Name (English)	Stem Cell Therapy	Course Name (Arabic)	العلاج بالخلايا الجذعية			
Course Number	15693, 15704	Course Code	1000321			
Credit Hrs.	1	Contact Hrs.	Theoretical	Practical	T	
Teaching Language	English <input checked="" type="checkbox"/> Arabic <input type="checkbox"/>		12	2	14	
Teaching Method	<input checked="" type="checkbox"/> Face-to-Face <input type="checkbox"/> Online <input type="checkbox"/> Blended					
Course Nature	<input type="checkbox"/> Compulsory		<input checked="" type="checkbox"/> Elective			
Course Type	<input type="checkbox"/> University Requirement <input checked="" type="checkbox"/> College Requirement <input type="checkbox"/> Program Requirement					
Level	Year 3	Pre-Requisite(s)				
<u>Course Description</u> <p>The course is designed to introduce students to latest treatment modalities in medicine by use of stem cells. The course will stimulate student thinking about how the stem cell research will be important for the future options for developing newer drugs and vaccines. The newer approach for transplantation of organs and reparative medicine are based on use of stem cells.</p>						
<u>Topics</u>	<u>Learning Outcomes</u>					
1. Introduction to stem cell research 2. Embryonic stem cells 3. Adult stem cells 4. Induced Pluripotent stem cells 5. Cancer stem cells 6. Stem cell therapy Application and Cloning	1. Outline the origin of stem cells and their importance in medical field. 2. Describe the types of stem cells and their advantages and disadvantages. 3. State the applications of different types of stem cells 4. Compare different types of stems and explain their cultivation and utilization. 5. Apply the principles of teamwork dynamics, leadership processes, ethics, professional and legal standards.					
Assessment Tools	<input checked="" type="checkbox"/> Periodic Exams	10 %	<input type="checkbox"/> Short Exams	%	<input checked="" type="checkbox"/> Final Exam	60%
	<input checked="" type="checkbox"/> Individual Assignments	30%	<input type="checkbox"/> Group Assignments	%	<input type="checkbox"/> Oral Participations	
Main Reference	<ul style="list-style-type: none"> ▪ <i>Stem Cell Therapy Reader</i> 					
Supporting References	<ul style="list-style-type: none"> ▪ www.stemcells.nih.gov/info/pages/health.aspx ▪ www.eurostemcell.org 					

