

# STEM CELL BIOLOGY

1	Course Title:	STEM CELL BIOLOGY	
2	Course Code:	BIO5208	
3	Type of Course:	Optional	
4	Level of Course:	Second Cycle	
5	Year of Study:	1	
6	Semester:	2	
7	ECTS Credits Allocated:	6.00	
8	Theoretical (hour/week):	3.00	
9	Practice (hour/week):	0.00	
10	Laboratory (hour/week):	0	
11	Prerequisites:	Students should have basic knowledge of the cellular biology.	
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Prof. Dr. Tolga Çavaş	
15	Course Lecturers:		
16	Contact information of the Course Coordinator:		
17	Website:		
18	Objective of the Course:	Stem cells are found in most, if not all, multi-cellular organisms and differentiating into a diverse range of specialized cell types. They are characterized by the ability to renew themselves through mitotic cell division The aim of this course is to provide the students knowledge of stem cell biology and recent applications of stem cells, at graduate level.	
19	Contribution of the Course to Professional Development:		
20	Learning Outcomes:		
		1	To gain information about advanced cellular biology.
		2	To appreciate how cell and organ culture is used experimentally for stem cell and tissue engineering research.
		3	To understand how stem cells from embryonic and mature organisms are identified.
		4	To learn about how stem cells are currently being used in the clinics
		5	To be informed about the aspects of stem cell behaviour
		6	To understand ethical issues regarding the stem cell research.
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21	Course Content:		
		<b>Course Content:</b>	
Week	Theoretical	Practice	
1	Introduction to stem cell biology		
2	Potency		



ÖK5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK6	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0
LO: Learning Objectives    PQ: Program Qualifications																
Contribution Level:	1 very low			2 low			3 Medium			4 High			5 Very High			