



# SH03050: STEM CELL TECHNOLOGY

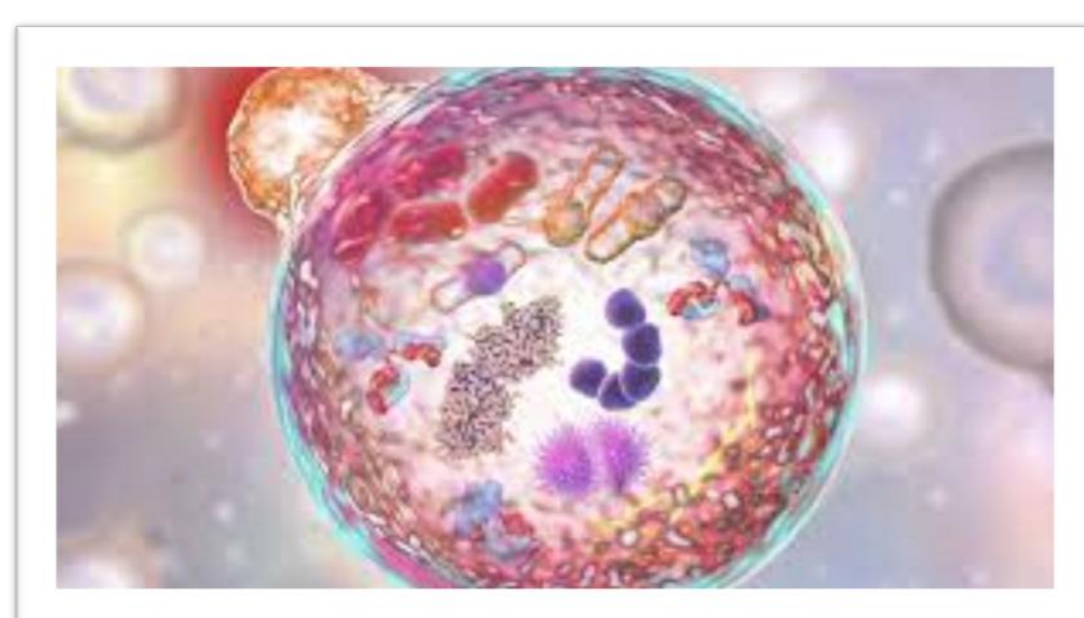
Credits: 2 (Theory: 2 - Practise: 0 - Self-study: 6)

## EXPECTED LEARNING OUTCOMES

Code	Course expected learning outcomes Upon completion of this course, students are able to:	ELOs of the program
<b>Knowledge</b>		
<b>CELO1</b>	<b>Analyze</b> the needs and requirements of stakeholders for biotechnology products for management, production and business. <b>Analyze</b> the following issues: - Introduction to stem cells; - Embryonic stem cells; - Adult stem cells; - Stem cell therapy; - Stem cell preservation.	<b>ELO2</b>
<b>Skills</b>		
<b>CELO2</b>	<b>Apply</b> critical and creative thinking to effectively solve research, technology transfer and production problems in the biotechnology industry.	<b>ELO6</b>
<b>CELO3</b>	<b>Apply</b> methods and skills to collect, analyze and process information in scientific research and investigate problems of professional practice.	<b>ELO10</b>
<b>Attitude</b>		
<b>CELO4</b>	<b>Make</b> a habit of updating knowledge and experience to improve your professional level.	<b>ELO15</b>

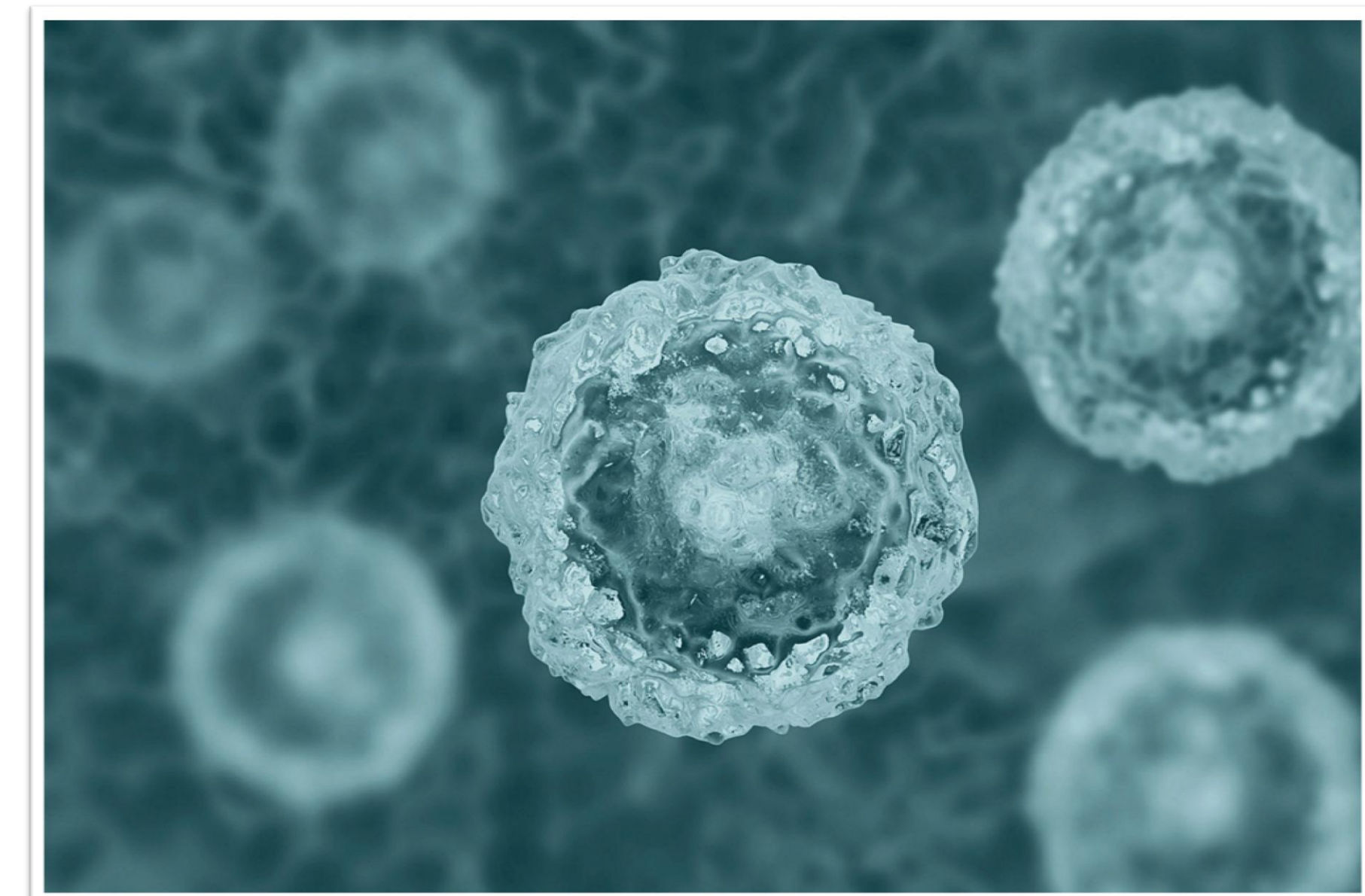
## SUBJECT CONTENT

- Chapter 1. An overview of stem cells
- Chapter 2. Embryonic stem cells
- Chapter 3. Adult Stem Cells
- Chapter 4. Stem cell therapy
- Chapter 5. Stem cell preservation



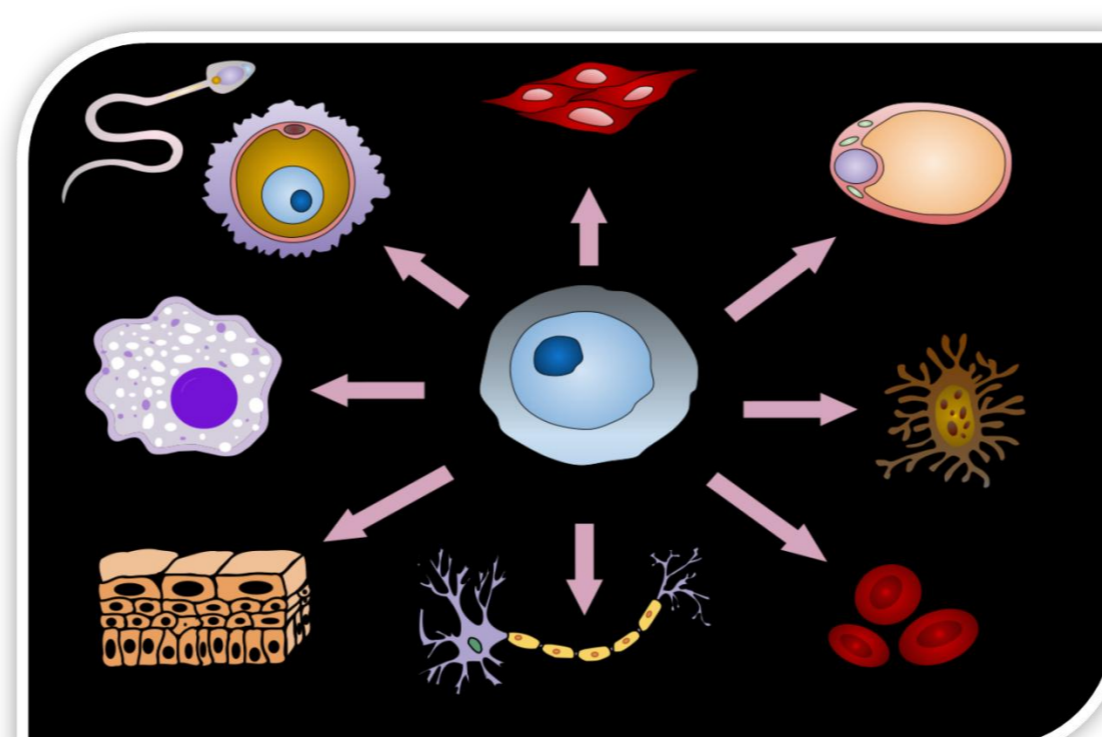
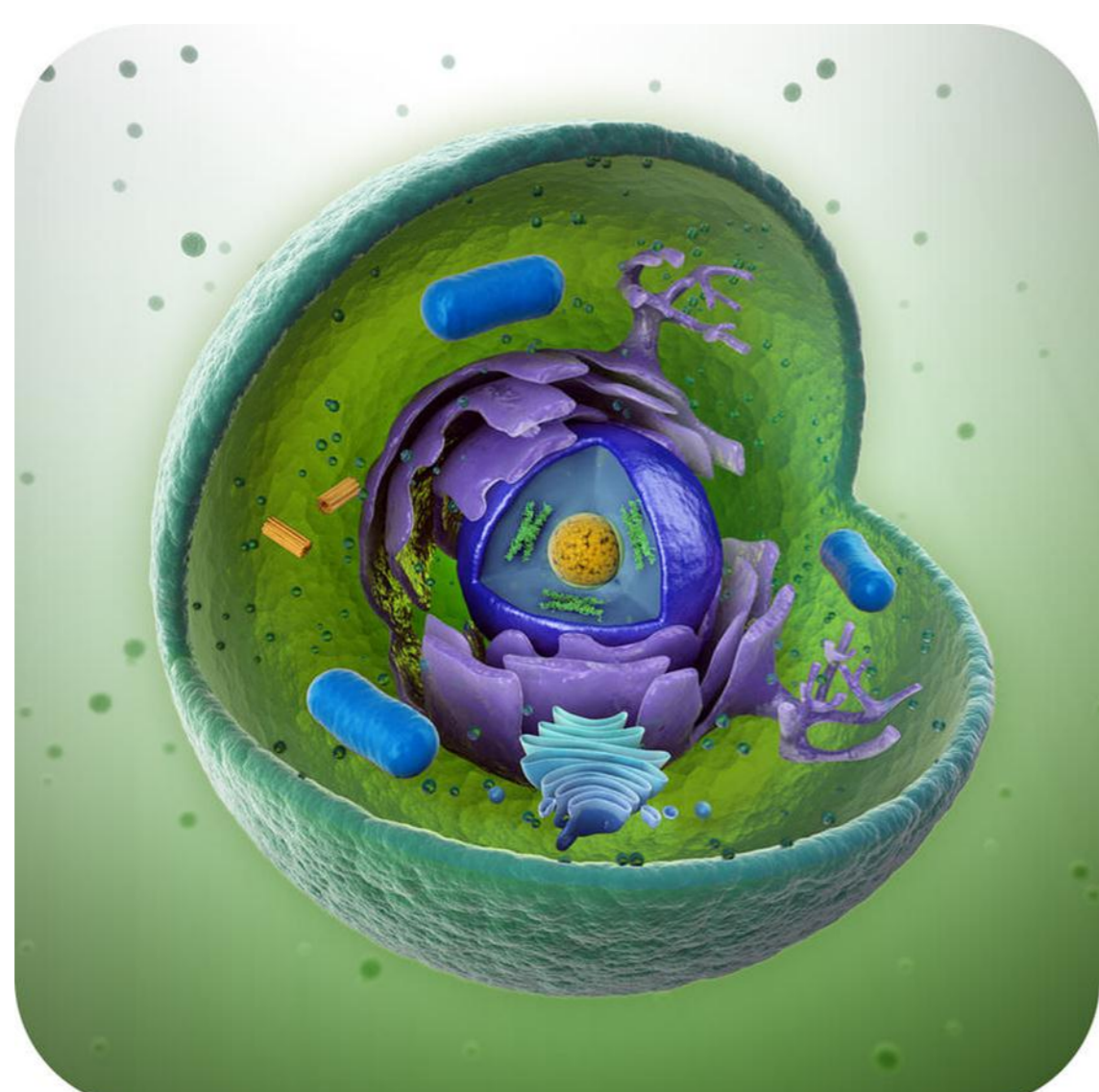
## MISSION OF STUDENTS

- Attendance classes (classes in lecture halls or online classes-MSTeams-Vnua): Students must attend classes fully according to the regulations of the University, participate in speaking ideas, discuss building lessons.
- Preparing for the lecture: Students attending this module are required to read the lecture and reference materials before studying the related content.
- 15-minute exercises and tests (if any): Students must complete 15-minute exercises and tests.
- Essay (if any): Students must prepare all essays, participate in the discussion and pass the exam satisfactorily.
- Must take the midterm exam, the final exam and meet the requirements.
- For online learning: students need to install learning software and fulfill the teacher's requirements for online learning.



## LEARNING METHODS

- Students prepare lessons before going to class according to the study plan that lecturers have disseminated.
- Students participate in learning activities in class: listening to lectures, answering questions, discussing as instructed by teachers.
- Online Learning.



## ASSESSMENT METHODS

10 score scale

Course average is the sum of the scores of the rubric, the element multiplied by the respective weight of each rubric, ingredient.

- Attend class: 10%
- Mid-term examination: 30%
- Final exam: 60%

## LECTURERS

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