

Understanding Biological Phenomenon

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Current Life Science Topics

1. Fundamentals in Basic Biochemistry & Cell Biology
2. Introduction to Tissue Engineering & Regenerative Medicine
3. Developmental Tissue Reconstruction
4. Wound Healing & Regeneration
5. Natural Tissue Composition & Cell-ECM Interaction
6. Stem Cells & Cell-Based Therapy
7. Biomaterials
8. *Mid-Term Exam*
9. Mechano-transduction & Bioreactors
10. Discussions on Tissue Reconstruction
11. Regulation & Ethics
12. AI in Current Life Science
13. Machine Learning & Github
14. Deep Neural Network
15. Convolutional Neural Network
16. *Final Exam*

Evaluation

- 1. Quiz test at the beginning of every class - 10 Pt**
 - Quiz test becomes take home exam in case you are late or absent.
 - Take home exam score will be multiplied by 0.95
- 2. Discussion topics will be given (Tissue Reconstruction topics) - 50 Pt**
 - Short Briefing followed by discussion
- 3. Final Term Exam - 100 Pt**
- 4. Attendance - 50 Pt**

EOD