



Code	Subject Title	Cr. Hrs	Semester
ZOOL-302	Cell and Molecular Biology II Lab	1	V
Year	Discipline		
3	Zoology		

1. Histochemistry of tissues, preparation and study of tissue structure.
2. Extraction of DNA (bacterial).
3. Minipreparation of plasmid DNA.
4. Restriction digestion of plasmid DNA.
5. Isolation and characterization of proteins on polyacrylamide gel electrophoresis.
6. Western blotting.
7. Cloning and transformation.
8. PCR amplification of DNA.

Textbook

1. De Robertis and De Robertis. (Latest Edition)Cell and Molecular Biology. Lea and Fibiger, New York.

Additional Readings

1. Karp, G. 2007. Cell and Molecular Biology. John Wiley & Sons. Inc. USA.
 2. Lodisch, H., Darnell, Jr., J. and Balimore D. 2000. Molecular Cell Biology. Scientific American Inc. New York.
 3. Weaver. F.F. 2005. Molecular Biology 3rd Ed. The McGraw Hill companies Inc. International Edition.
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