

## Course contents for Research Presentation and Grant Writing

1. **Faculty:** FLSB

2. **Program:** PhD Biotechnology, Sem-2

3. **Course code:** LSB-709

4. **Course title:** Research Presentation and Grant Writing

5. **Number of credits:** 2 (2L+0T+0P)

6. **Course objectives:** The coursework is primarily designed to introduce design and requirement for a research proposal and grant application in biomedical sciences and research.

7. **Minimum prerequisites for taking this course, if any:** A minimum of 3+2 or a 4+1 year Bachelor's and Master's degree program in any branch of Biological Sciences (such as MSc, MVSc, MTech, or MPharm), or an MD/MS degree from a government-recognized institution in any SAARC country. Good understanding of general laboratory techniques used in biotechnological research.

8. **Course structure with units, if applicable:**

Structuring a fundable biomedical research plan with focus on clarity in experimental design, literature review, defining objectives, significance, funding priorities, and budgeting. Overview of national and international grant agencies from government resources, as well as non-governmental and/or philanthropic resources in biomedical research.

Attendance to the lectures, seminars, talks or any other related event in relation to the coursework will be documented.

9. **Suggested readings:**

Sample grants available publicly at National Institute of Health Institutes and Centers websites.

10. **Evaluation:**

Mid Semester Research Seminar/Journal Club – 50%

End Semester Research Proposal/Grant writing – 50%

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