



Department of Planning

Course: Advanced Research Methods - MEP302
Instructors: Dr. Faiz Ahmed C

Class: MEPM -III Sem
Internal Assessment: 50
End Jury: 50
Total Marks: 100
Credits: 3

Contact Periods/ week: 03 periods.(50 min each)

Time Table:

Attendance: Min 75% **Min. Passing Marks:** 50%

Objective: To initiate the planning thesis by enabling students to identify a topic and then develop a proposal and methodology in detail besides providing them with the required theoretical inputs on the syllabus contents.

Out Line of the Course: Understanding Research | Types of Research | Research Questions | Objectives | Literature | Research Tools & Techniques | Research Communication | Research Proposal writing

LECTURE PLAN

WEEK	DATE	TOPIC OF CLASS LECTURE & DISCUSSION	TOPIC OF STUDIO WORK& ASSIGNMENTS / REMARKS
1	Week-1 (July 16-20)	Unit 1: Introducing Research What is research? Types of research, basics of academic and applied research; Different approaches to research; research philosophies – positivist and phenomenological philosophies.	Lecture I
2	Week-2 (July 23-27)	Introduction to elements of research: epistemology, theoretical perspective, methods, methodology; Justification of choice and use of methods and methodology; Paradigms in research. <i>(Identification/Discussion on the topic and list of research articles/ books/ conferences/research lab/group/organization/society related to the individual topic of research.</i> <i>Minimum Literature requirements: one book/10 scholarly articles (ISI indexed research articles)/ one related conference/ one related research lab/group/organization/societ)</i>	Lecture / Discussion
3	Week-3 (July 30 -Aug 3)	Unit 2: Developing Thesis: Research methodology: Quantitative – surveys, experimental, longitudinal, cross-sectional studies; Qualitative – case studies, action research, ethnography, participative enquiry, grounded theory. Content development - Developing contextual background; Research design; Identification of research problem; Research questions; Formulation of hypothesis; Writing aims, objectives, scope and limitations;	Lecture / Discussion
4	Week-4 (Aug 6-10)	Review of relevant literature; Identification of suitable research methods/ techniques/ instruments; Data collection – questionnaires, sampling techniques, observation, interviews; Analysis - qualitative and quantitative analysis, data synthesis; Research outcome – research findings. (Review of literatures/ critical thinking/Abstract writing techniques)	Submission / Discussion
5	Week-5 (Aug 13-17)	Abstract Submission: Note: Follow the abstract format to be circulated	Assessment I
6	Week-6 (Aug 20-24)	Unit 4: Field Work Plan Survey format preparation, study area identification and map preparation; work plan schedule. (Research tools and techniques – Handling SPSS – Statistical Analysis)	Lecture / Discussion

7	Week-7 (Aug 27-31)	Discussion on the total list of research articles/ books/ conferences/ research/ lab/group/ organization/society/at least one architect whose work is related to the individual research topic. Minimum Literature requirements: 2-3 book/5-10 scholarly articles (ISI indexed research articles)/ 3-5 conference papers/ one related research lab/group/organization/society.	Submission / Discussion
8	Week-8 (Sep 3-7)	Unit 5: Research Communication Research vocabulary, Reading – notes taking, material organisation, indexing; Technical writing – content synthesising, paraphrasing, citation and referencing; Academic writing – research proposal / synopsis, abstract writing, report writing and mapping. (Research Proposal Writing/Synopsis)	Lecture / Discussion
9	Week-9 (Sep 10-14)	Preliminary concept presentation of research topic. Title/ Research problem/Research questions/ Aim/ Objectives/ Methods/Tools and techniques.	Student Presentation / Discussion
10	Week-10 (Sep 17-21)	Research communication - Use of Graphics, Figures, Tables, Figures, Abbreviations, Acknowledgements etc	Lecture / Discussion
11	Week-11 (Sep 24-28)	Preliminary concept presentation of research topic. Title/Research problem/Research questions/Aim/Objectives/Methods/Tools and techniques.	Mid-Semester exam (Assessment II)
12	Week-12 (Oct 1-5)	'Publish or Perish – The art of scientific writing'	Guest Lecture
13	Week-13 (Oct 8-12)	Unit 3: Research Ethics Prior permission and intimation, conduct of interview, asking right question, confidentiality, elimination of bias and suspicion; Roles and social responsibilities of the researcher; time management in research (Writing ethics/plagiarism/scientific writing/peer-review process and publication)	Lecture / Discussion
14	Week-14 (Oct 15-19)	Submission to publication – Understanding the process of peer-reviews, cover letter writing, responding to reviewers.	Lecture VII
15	Week-15 (Oct 22-26)	Presentation II- Initial findings/Case studies/methodology used/tools and techniques used/significance of findings Submission III – Research proposal (word count: max- 3000)	Assessment III
16	Week-16 (Oct 29 -	Final Presentation along with 'research proposal' format to be circulated – Open House	Student Presentation / Discussion
17	Week-17 (Nov 5-9)	Final Presentation along with 'research proposal' format to be circulated – Open House	Student Presentation / Discussion
18	Week-18 (Nov 12-14)	Final Presentation along with 'research proposal' format to be circulated – Open House	Discussion
S. No.	Stages of Evaluation		Weightage
1	First stage: Assessment –1 (30 Marks)		30%
2	Second stage: Mid-semester Examination (40 Marks)		40%
3	Third stage: Assessment –3 (30 Marks)		30%
	Total		100

Reference Books:

1. Guthrie, G. (2010). Basic research methods - An entry to Social Science research. Los Angeles : Sage.
2. Linda, G. (2013). Architectural Research Methods, New Jersey: John Wiley & Sons.
3. Robert K, Y. (2009). Case study research: Design & Methods. London: Sage.
4. Position paper: Jeremy Till – RIBA Research Committee
5. Kumar, R. (2011). Research Methodology - A step-by-step guide for beginners. New Delhi: Sage.
6. Yin, R. K. (2014). Case Study Research: Design and Methods. Fifth Edition. New Delhi: Sage
7. Groat, L. N., & Wang, D. (2013). Architectural research methods. New York: J. Wiley.

Course Instructors:

sd/-
(Faculty Name)

Head of Department:

sd/-
(Dr. S. Ramesh)