



Sample Brief Course Description

Course title	Research Methodology
Course code	BME 403
College	Engineering
Department / Program	Biomedical Engineering
Year/ Level	5/13 th
Course Type	A. <input type="checkbox"/> University <input type="checkbox"/> College <input checked="" type="checkbox"/> Department <input type="checkbox"/> Others b. <input checked="" type="checkbox"/> Required <input type="checkbox"/> Elective
Credited Hours	3
Contact Hours	(LT: 3, LB: 0, TR: 0)
Pre-requisites (if any)	--
Co-requisites (if any)	---



<p>Course description</p>	<p>This course provides a forum for students to discuss and generate ideas on issues related to their field of study. Students conduct an in-depth study of a research topic of their choice, discuss issues with experts in the field of research, work in discussion groups, debate and problem solve on selected issues. In the seminar, the students are given an opportunity to integrate their knowledge, skills and practical experience gained in the program.</p>
<p>Course Main Objectives</p>	<ol style="list-style-type: none"> 1. Provide students with the opportunity to improve critical thinking skills by writing and orally defending a persuasive research paper in which arguments counter to the stated position are addressed. 2. Provide students with the opportunity to improve oral communication skills by giving two formal oral presentations. 3. Provide students with the opportunity to develop skills in writing to a general audience as opposed to writing to a specific audience as typically occurs in courses for the major. 4. Provide students with the opportunity to strengthen information literacy skills in order to be able to recognize when information is needed and to locate, evaluate, and use effectively the needed information. 5. Provide students with an opportunity to view their own disciplines, their intended careers, and their lives in the larger contexts of life-long learning.
<p>Learning Outcomes</p>	<p>Knowledge and Skills:--</p> <ol style="list-style-type: none"> 1. Organize information by writing reports and orally defending their concepts to a general audience <p>Skills:---</p> <ol style="list-style-type: none"> 1. Apply literature review, management principles, and technical writing skills in the development of research papers or reports 2. Apply critical thinking skills to design a research paper/ Report that analyse the impact of engineering solutions in a global, economic, environmental, and societal context 3. Observe, evaluate, question, critique, research, and present tasks. <p>Values:---</p> <ol style="list-style-type: none"> 1. Communicate effectively and write lab report.



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