Course Name	**Project Proposal**		**مقترح مشروع**	
Course Information	**Course Code**	**Course No.**	**Credit Hour**	**Prerequisite(s)**
	0911-1684	684	3 (3-0-6)	**Research Methodology**
Course Track	☒ Program Core		☐ Electives	

Course Description. The Project Proposal course emphasizes on the application of the theoretical concepts of software analysis and design learned during the course work. The analysis component comprises of preparing formal Software Requirements Specifications (SRS) document including problem statement, scope, justification, requirements, cost estimation, assumptions, limitations, methodology and tools to be used in project development. The assumption should be taken in such a way that scope of the problem becomes clear and well defined in the problem statement. All the functional and non-functional requirements of the system must be identified and analyzed in the proposal. The students will be encouraged to develop/describe logical model of the proposed system based on the requirements. The design component of the course includes prototype including input and output of the proposed system.

Course Outcomes. After the completion of this course, the student will be able to:

1. **Identify** the problem statement. **[E]**
2. **Define** and **justify** scope of the problem. **[E]**
3. **Define** and **analyze** system requirements. **[E]**
4. **Propose** and evaluate an optimized solution among the existing solutions. **[B]**
5. **Practice** software analysis and design techniques learned during the course work. **[E]**
6. **Prepare** and **present** a technical report. **[F]**

Assessment Policy	**Committee Evaluation**	**Report Evaluation**	40%	**Supervisor Evaluation**	30%
		Oral Examination	30%		
Textbook	There is no single textbook for this course. The students are encouraged to select and read various related texts under the recommendation of their supervisor.				
References	1. Jeremy T. Miner, Lynn E. Miner, "Proposal Planning & Writing", 4th Edition, Greenwood, 2008. ISBN-13: 978-0-313-35674-2. 2. Wayne Booth, Gregory Colomb and Joseph Williams, "The Craft of Research", 3rd Edition, University of Chicago Press, 2008. ISBN-13: 978-0226065663. 3. William Navidi, "Statistics for Engineers and Scientists", 2nd Edition, McGraw-Hill, 2010. ISBN: 978-0073376332.				