



### Sample Brief Course Description

<b>Course title</b>	Capstone Design Project (2)
<b>Course code</b>	BME 481
<b>College</b>	Engineering
<b>Department / Program</b>	Biomedical Engineering
<b>Year/ Level</b>	5/15 <sup>th</sup>
<b>Course Type</b>	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
<b>Credited Hours</b>	3
<b>Contact Hours</b>	(LT:2, LB:2, TR:0)
<b>Pre-requisites (if any)</b>	BME 480
<b>Co-requisites (if any)</b>	---
<b>Course description</b>	This course is continuation of capstone design project I, the senior students implement a design project based on following tasks: selecting and finalizing appropriate design and/or experimental tools or mathematical/computer model; performing design/experiments or modeling/computation; performing analysis and evaluation of result; interpreting and drawing conclusions of results, recommendation and future work. Writing final and complete report; presenting and defending the project.



<b>Course Main Objectives</b>	This course is intended to teach the student to learn to develop the skill of working within design team on design project and develop a real-world engineering design systems.
<b>Learning Outcomes</b>	<b>Knowledge and Understanding:</b> --
	<b>Skills:</b> 1. Carry performance parameters Estimation of design and/or experiments 2. Carry design calculation and/or use of experimental tools 3. Carry tradeoff studies to refine design and/or experiments. 4. Evaluate analysis of design criteria 5. Demonstrate ability to communicate and achieving the project design details orally and in writing
	<b>Values:---</b>