Biomedical Engineering Undergraduate Research Form

Engineering or Science Elective Credit

FOR THE STUDENT: Please fill out this side of the form. Research Topic: _____ CRN SE Units EE Units 2 Quarters Offered _____ 20____ **Biomedical Engineering 199** Estimate average student/faculty contact (hours/week) Estimate average student research effort (hours/week) **Course Plan:** Part I: The Research Proposal o Complete both sides of the BIM 199 form. o Attach 1-2 page Research Proposal describing the background, aims, methods, and anticipated results of your proposed work. Include a statement of the significance of the work (why it is important to study). o Obtain PI's signature. o Submit to UG advisor. Obtain CRN from UG advisor for Quarter 1 and 2, and register for 2 units each quarter. *Until Part II is successfully completed, this research will count as lab credit only.* Part II: The Presented Results At the end of the stated 2 quarters, the results must be presented in one of the following formats: a. 30-minute formal PowerPoint presentation at conference or lab meeting (not including questions). b. 10-page double-spaced paper. c. 15-minute formal PowerPoint presentation or conference-style poster presentation (e.g. URC) and 5-page double-spaced paper. Obtain copy of BIM 199 form from UG advisor: Obtain PI's 2nd signature as approval of work. o Resubmit BIM 199 form with attached work to UG Advisor for UG Committee approval. Once UG Committee approval is obtained, then 4 units of lab credit will be counted towards Engineering or Science elective. Student: ______ I.D. # _____ Major: _____ BIM 199 engineering elective units already completed (quarter and units) Total number of units completed to date: (84 units required to take 199 course for degree credit)

Other special study courses this quarter. Department: ______ Units: _____ Units: _____ For 199, engineering elective units are required for 2 units/quarter for a total of 4 units maximum.

FOR THE INSTRUCTOR/PI: Please fill out this side of	the form.
Instructor's Name:	
Please select either Engineering or Science elective credit an ENGINEERING ELECTIVE CREDIT OR	ad check the appropriate boxes. SCIENCE ELECTIVE CREDIT
To be considered for Engineering Elective credit, the comp ☐ A clear statement of engineering deliverables or eng ☐ An overview of existing engineering solutions in th ☐ Evidence of testing/validation and quantitative anal ☐ A clear statement of the impact of the completed we	gineering design objectives. e field. ysis of results.
Describe the engineering content of the project below.	
To be considered for Science Elective credit, the completed ☐ An overview of the scientific background underlyin ☐ A clearly stated, testable hypothesis. ☐ Evidence of ability to design, analyze, and interpret ☐ A clear statement of conclusions and their relation to	the results of experiments.
Part I	Part II
I certify that I have reviewed the attached Research Proposal and this project is suitable as 4 units of (check one): Engineering elective Science elective	I certify that: One of the following was completed at C- or better quality for 4 units of upper division engineering/science elective credit. □ 30-minute Powerpoint (not including questions) □ 10-page double-spaced paper □ 15-minute Powerpoint or poster presentation, and 5-page double-spaced paper I certify that: □ The completed work is suitable for elective credit as described in the Engineering & Science Elective sections above.
Instructor's Signature Date	Instructor's Signature Date
BME Undergraduate Committee's Signature Date	BME Undergraduate Committee's Signature Date