

Required Approval Form for BME Advanced Projects (BME 4995, "Research- or Design-for-Credit")

Consists of the design, execution, and analysis of lab work, computational modeling, or theoretical analysis in a biomedical engineering subject area. Requires a comprehensive final report describing methods and results. You may work with any BME primary faculty member. It is possible to work with non-BME faculty, if a BME primary faculty member agrees to co-advise your project. In this case, the BME faculty member is listed as the course instructor and assigns the grade, in consultation with the research mentor. Under certain circumstances, this rule may be waived. See the Undergrad Coordinator for details.

Use BME 4995 "BME Advanced Projects." All projects must approved by the Undergraduate Program Director using this form.

- You must submit this form for approval EACH SEMESTER you plan to do research-for-credit (even for a continuing project).
- For each credit hour earned, you must spend at least 3-4 hours per week in the lab, for a minimum of 10 hours/week for 3 credit-hour course.
- Relationship between Advanced Projects & Capstone Projects: Unless the two projects are entirely separate, you may NOT earn credit for BME 4995 at the same time you are earning credit for BME 4063, 4064.
- BME Majors may count up to six credits (total) toward the degree. Three (3) credits can be used as a BME Elective, and the other three (3) credits can be used as an Unrestricted Elective.

Procedure

Your Name: _____ Email: _____ Today's Date: _____

Lab Name: _____ Research Advisor's name (print): _____

If your research advisor is not a primary BME faculty member, which primary BME faculty member is co-advising this project?

Will you be attending lab meetings? (circle one) Yes No If no, why not?

1) Attach a **PROJECT PROPOSAL** (half-page). The proposal should include i) **Project Title and Study Name** (more specific than title), ii) **Purpose/Objective** of your proposed project, iii) your **Hypothesis (if applicable)**, iv) the **Experimental Design** (i.e. experimental conditions and measurable output), v) your **Methods**, and vi) the **Significance** of your research (what is the impact of your results in the field?)

2) Attach a **PROJECT EXPECTATIONS STATEMENT** (one paragraph). Here you describe the project guidelines worked out between you, your research mentor, and (if applicable) the BME primary faculty member co-advising your project. You must cover i) **Days and times** you are scheduled to work in the lab, ii) How often you will be **meeting with your research mentor**, iii) When your **final report** is due and iv) **Other expectations**, including required background literature, monthly progress reports, etc. If you are working in a non-BME lab, you must also report how often you plan to meet with your BME primary advisor.

3) **SIGNATURES**. Both you and your Research Advisor must sign the Project Proposal / Expectations Statement. If you plan to work in a non-BME lab, your BME primary advisor must sign, too. Return this form and the signed Project Proposal / Expectations Statement to the Undergraduate Coordinator (MR5 2010). You will be informed of the success of your petition via email.

Approved: _____
BME Undergraduate Program Director