**Proposal for consideration of approval of independent study towards undergraduate BME elective credit**

*To be completed by the course instructor and submitted for review and approval to the BME undergraduate curriculum committee (* *bme-ugcc@iit.edu**) 3 weeks prior to the beginning of the semester during which the course will be taken.*

**BME 492: Course Title**

 **Term: Fall Spring Summer**

 **Year:**

 **Student Name:**

 **Instructor Name:**

**Course goals and description:**

**Student Expectations and Deliverables:**

**ABET Assessment:**

State the assessment item(s) (e.g. paper, presentation, data analysis) that will be used to assess attainment for the performance criteria (attached) for the Student Outcomes addressed in the course. Please provide the assessment electronically upon completion of the course.

**Course Pre-requisites:**

**Course contact hours:**

*Note:* To count towards BME elective credit, a minimum of 3 contact hours per week are required

**Indicate whether the course will be for BME Elective Credit:**  YES NO

**Circle the ABET student outcome(s) addressed in this course:**

1. an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics
2. an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors
3. an ability to communicate effectively with a range of audiences
4. an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts
5. an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives
6. an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
7. an ability to acquire and apply new knowledge as needed, using appropriate learning strategies.

**Mapping of Performance Criteria to Student Outcomes**