

## **BME 5151 “Intro to BioMEMS & Medical Microdevices”**

Department of Biomedical Engineering, University of Minnesota

### **Team Project & Presentations**

**Purpose:** To study further a particular course-related concept or device that you are interested in.

**Format:** Team project of 3- 4 students as a 20-minute PowerPoint® presentation at the end of the semester. Submitting a paper is not required, although you may wish to distribute a handout. A brief class discussion will follow each talk.

**Description:** Propose a new device, or expand upon a previously published device, concept or useful methodology. Discuss the purpose of your concept, and if appropriate, the theory (what principles are at work), uses, fabrication (materials and techniques), testing, limitations, and biocompatibility of your device.

**When:** The TA will assist you in forming groups two weeks before Spring break. You will submit a topic title/abstract just before the break, and will present during the last month of class. There will also be some class time to meet and discuss your project (see schedule).

**Resources:** I encourage you to use the University library databases and retrieve original peer reviewed works: <https://www.lib.umn.edu/>. Avoid simply referencing a web address unless you are accrediting a specific image or item that is not otherwise published .

**Assistance:** The TA will be coordinating teams and topics, helping with resources, and fielding most questions. Feel free to e-mail or meet with Prof. Saliterman if you have questions. Let the TA know if you are having trouble joining a team or finding resources.

**Grading:** The TA will be grading your projects & presentations. This will count towards 20% of your final grade. Prof. Saliterman will inform you of your grades personally rather than using Canvas.

**Submittal:** The TA will inform you when your title, abstract and PowerPoint presentations must be submitted to them. Please additionally send your finished presentation (final version) as a PDF document to Prof. Saliterman by the day after your presentation.