Intellectual Property, Technology Transfer, and Commercialization (TSCI 5078)

Class time: Wednesdays 4:00 pm to 5:00 pm

Course Director: Leonid Bunegin

DESCRIPTION

To be successful in medical technology development, it is crucial to understand the complex process of developing then translating basic research into market driven products. This course will offer students the opportunity to invent a technology, protect the intellectual property, transfer that property from the laboratory to a commercial platform, then develop strategies for commercialization. Students will prepare invention disclosures, provisional patents, utility patents, business plans and presentations to potential investors.

LEARNING OBJECTIVES

• Experience the invention process
• Understand concepts of intellectual property and its protection
• Identify basic principles of technology transfer and startup creation.
• Explore development and fundraising and commercialization strategies

GRADING

Course grades will be based on:

Class Participation 50%

Assignments and Case Presentations 50%

Students will be assigned a pass/fail grade based on their performance. Students are expected to complete all readings, engage in discussion at every class and participate in field trips and case presentations.

CREDIT HOURS

1 credit

PREREQUISITES

None.

FORMAT

The course will consist of lectures, and discussion of topics covered in class and/or in readings. Each class will be 1 hour to 90-min long depending on the topics to be covered.
SYLLABUS FOR TSCI 5078
INTRODUCTION TO INTELLECTUAL PROPERTY, TECHNOLOGY TRANSFER, & COMMERCIALIZATION
COURSE DIRECTOR: LEONID BUNEGIN

FIRST CLASS

INVENT

DESIGN

PROTOTYPE

TEST

PROVE CONCEPT

Y

PROTECT

PATENT

COPYRIGHT

TRADEMARK

PREPARE PROVISIONAL

PLANT

DESIGN

UTILITY

PREPARE PATENT

MID-SEMESTER