

## **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.

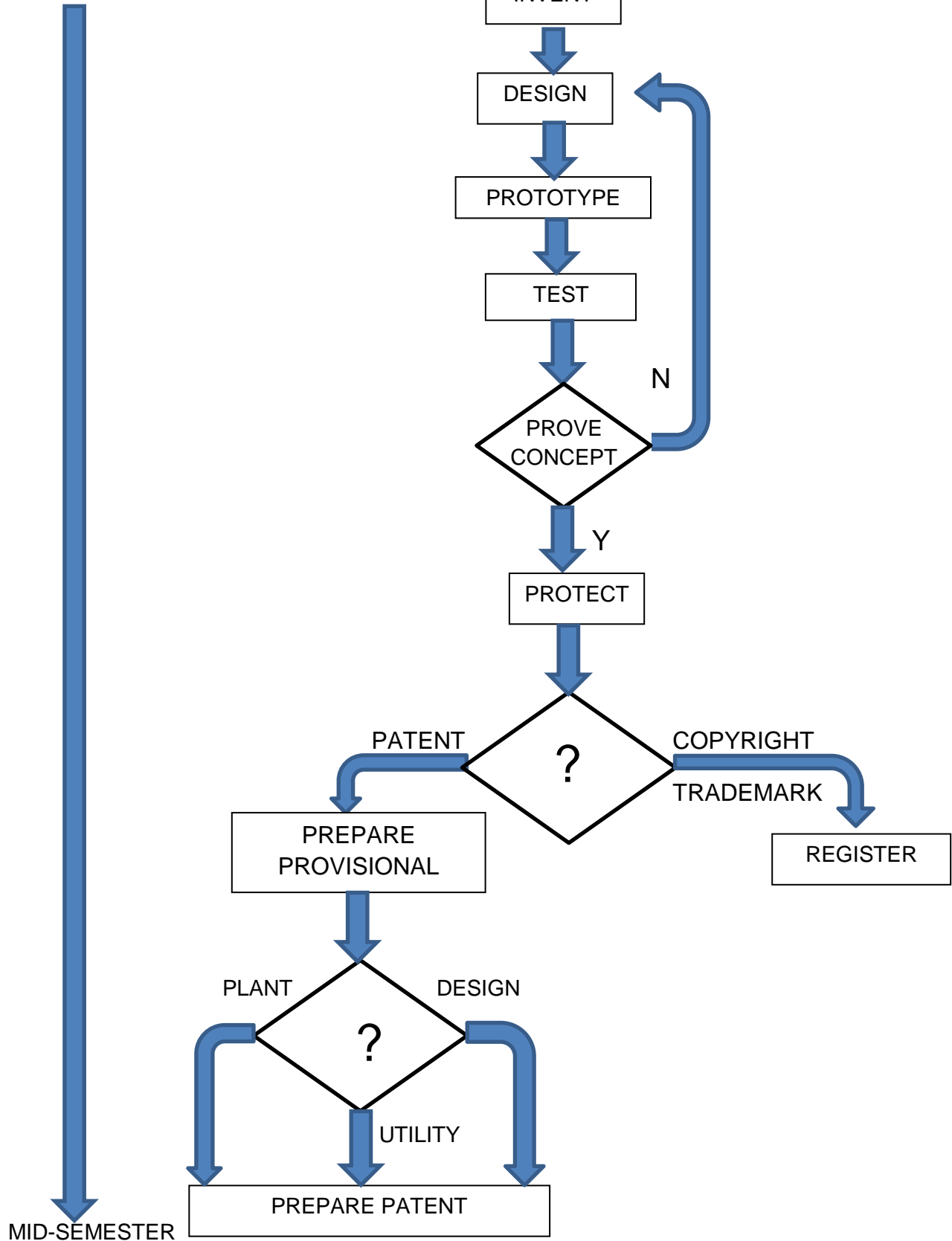
### **FORMAT**

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.

# SYLIBUS FOR TSCI 5078

INTRODUCTION TO INTELLECTUAL PROPERTY, TECHNOLOGY TRANSFER, &  
COMMERCIALIZATION  
COURSE DIRECTOR: LEONID BUNEGIN

FIRST CLASS



MID-SEMESTER

TECHNOLOGY  
TRANSFER

STARTUP

LICENCE

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MANAGEMENT  
TEAM

COMMERCIAL  
VALUE

BUSINESS PLAN

FIND LICENSEE

FUNDING

VC

BORROW

ANGEL

SELF FUND

FAMILY  
FRIENDS

CROWD

SBIR/STTR  
INNOVATION GRANT  
INCUBATOR

SEMESTER END

COMMERCIALIZATION

