



Course Identification Number and Title

Number of Credits

Term and Year

Syllabus

Instructor: Rita Khanna, PhD, JD

Contact Information:

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Virtual Office Hours:

Preferred Method of Communication: e-mail

Course Information:

Prerequisites, if any: None

Course Description:

This course will assess the growing global market place for innovative biomedical products, particularly in developing countries with a focus on the business plans, market development, venture capital, technology transactions, and relevant international partnerships. Using current examples from the technology portfolio of NIH and other organizations, the students will review scientific innovation and determine whether a particular discovery constitutes a realistic business proposal from an international perspective.

This course seeks to understand the content and nature of international S&T partnerships, including approaches taken by different institutions and the major forms and types of international agreements particularly those involving NIH. The course will also look at sources of funding (venture capital, philanthropic and others) and its relation to innovation and the development of products. The course will examine technology transfer issues related to the new institutional frameworks, such as product development partnerships (PDPs), advanced market commitments (AMCs) and other partnerships. Students will be expected to assess a technology of their choice, and develop a draft executive summary of a new bio business concept with potential commercial advantage in the international market place, or write a research paper on one of the topics covered. Such student efforts may be selected for use in commercialization efforts by the NIH, presentation to international business plan groups, or for publishing in an international

journal. The course will provide a real-world flavor through guest lectures by representatives who play major roles in global markets and are affiliated with biotech/pharma industry and the public sector.

Course Website (Canvas): once a week

Explanation for how, and how frequently, to access the course Canvas site

Learning Materials:

Required and Recommended Texts: Will be provided at least one week prior to each class

Required Journal Articles:

Explanation for how to access these articles

Course Goals

When you complete the course successfully, you will be able to:

- Understand the growing marketplace for innovative biomedical products and research, particularly as they relate to developing countries
- Examine approaches taken by different institutions, including the NIH, and new institutional frameworks such as PDPs
- Assess sources of funding in relation to innovation and the development of biomedical products.

Structure of the Course

Organization of the course – The course is organized as lecture followed by discussion and a Q/A session.

The Learning Process

Your teaching and learning philosophy – Share the materials for each class at least one week before the class, best learning happens through discussions, invite student's view point and encourage sharing of ideas.

Methods for students to achieve success – pre-read the materials for each class, actively participate in class discussion, start planning the project early on.

Time commitment – approximately 4-6 hrs/week required for reading and preparation for the class.

Important Dates:

Drop deadline: September 27, 2019

Audit and withdrawal deadline: November 15, 2019

Holidays – October 14 (Columbus Day), November 11 (Veterans Day), November 28 (Thanksgiving Day)

Communication:

Reply to email: within 24-48 hrs

Reply to voicemail: within 24-48 hrs

Preferred time to call: Afternoon

Other forms of communication, if applicable: N/A

Canvas Q&A Discussion Forum, if applicable: N/A

Etiquette:

Email:

Group etiquette:

Discussion board etiquette:

Policies:

[PLEASE DO NOT CHANGE OR DELETE THE TEXT BELOW THROUGH THE *]**

Academic Policies

This course adheres to all FAES policies described in the academic catalog and student handbook, including the Academic Integrity policy listed on page 11 of the academic catalog and student handbook. Be certain that you are knowledgeable about all of the policies listed in this syllabus, in the academic catalog and student handbook, and on the FAES website. As a student in this program, you are bound by those policies.

Copyright

All course materials are the property of FAES and are to be used for the student's individual academic purpose only. Any dissemination, copying, reproducing, modification, displaying, or transmitting of any course material for any other purpose is prohibited, will be considered misconduct, and may be cause for disciplinary action. In addition, encouraging academic dishonesty by distributing information about course materials or assignments which would give an unfair advantage to others may violate the FAES Academic Integrity policy. Course materials may not be exchanged or distributed for commercial purposes, for compensation, or for any purpose other than use by students enrolled in the course. Distributions of course materials may be subject to disciplinary action.

Guidelines for Disability Accommodations

FAES is committed to providing reasonable and appropriate accommodations to students with disabilities. Students with documented disabilities should contact Dr. Mindy Maris, Assistant Dean of Academic Programs.

Dropping the Course

Students are responsible for understanding FAES policies, procedures, and deadlines regarding dropping or withdrawing from the course or switching to audit status.

[INCLUDE LANGUAGE ABOUT YOUR OWN POLICIES REGARDING THE FOLLOWING:]

Attendance – 3 absences permitted provided student reviews the handout and material provided for each class.

Participation – expect active participation in class discussion

Assignment Submission – a brief synopsis of the project and final paper describing the project in detail.

Due Dates – Last two classes will be reserved for presentations of projects by students

Late Submission Policies – under exceptional circumstances

Assignment Formats – i) Brief 1-2 page synopsis of project, (ii) PowerPoint presentation, (iii) A written paper describing the project

Citation Format -- flexible

Discussion Board Policies, if applicable:

Guidelines for posts

Due dates

Late submission policies

Step-by-Step Guidelines for Submitting Assignments: (i) a brief description of the project planned (1-2 pages), (ii) Power Point presentation, (iii) final paper describing the project in detail (no more than 10 pages)

Expectations for instructor's feedback on assignments: Guidance and feedback will be provided in choosing and planning of the project.

Major Assignments:

Detailed assignment descriptions

Value of each assignment / percentage of total course grade

Grading Scale: A-C range

Weekly Schedule: To be provided at least one week ahead of each class

Week	Readings	Learning Activities and Assignments
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		