

## Biological Innovation and Entrepreneurship – FYS100 – Spring-2005

**Instructor:** William E. Conner (Rm. 030) Winston, Telephone 5315, conner@wfu.edu)  
**Lecture:** MWF 10:00-10:50 Winston 221  
**Texts:** Biotechnology: Demystifying the Concepts. 2000. Bourgaize, D., Jewell, T. R., and Bruiser, R. G. Addison Wesley Longman (required).  
Startup: A silicon valley adventure. 1994. Kaplan, J, Penguin Books (required).  
MouseDriver chronicles. 2002. Lusk, J. and Harrison, K. Perseus Publishing (required)

### Lecture and Reading Assignments

Jan. 12 Introduction: Ground Rules and Biology's Greatest Hits  
Jan. 14 Introduction: The Sources of Entrepreneurship

Jan. 17 MLK Jr. Holiday – No Class

Jan. 19 Student Presentations – Biology's Greatest Hits  
Gretchen Elder – Stem Cell Research  
Bill D'Alessandro - Nanotechnology  
Text: Chapter 1 and 2 Biotechnology

Jan. 21 Student Presentations – Biology's Greatest Hits  
Becca Red – Hemoglobin  
David Gaffney – Genetic Engineering of Plants  
Text: Chapter 3 and 4 Biotechnology

Jan. 24 Student Presentations – Biology's Greatest Hits  
Van Nguyen – Tuberculosis virus  
Annie Lutin – Genetic Immunity  
Text: Chapters 5 and 6 Biotechnology

Jan. 26 Student Presentations – Biology's Greatest Hits  
Hadley Wilson – Animal Cloning Techniques  
Veronica Jarvinen – Radiation Therapy  
Text: Chapters 7 and 8 Biotechnology

Jan. 28 Student Presentations – Biology's Greatest Hits  
Shane Ahlers – Parkinson's Disease  
Ted Sensor – Organ transplants  
Text: Chapters 9 and 10 Biotechnology

Jan. 31 Student Presentations – Biology's Greatest Hits  
Jun Yang – Insulin  
Kathlene Skarbek – The Human Genome Project  
Text: Chapters 11 and 12 Biotechnology

Feb. 02 Student Presentations – Biology's Greatest Hits  
Ashley Burney - Antibiotics  
Ashley Spooner – Vaccines

- Feb. 04                   Text: Chapters 13 and 14 Biotechnology  
 Student Presentations – Biology’s Greatest Hits  
 Charles Sartor – Performance Enhancing Drugs  
 Text: Chapters 15 and 16 Biotechnology
- Feb. 07                   Field Trip **Paper 1 DUE – Biology’s Greatest Hit**  
 Text: Chapter 17
- Feb. 09                   Introduction to Entrepreneurship – Page West  
 Reading: Mousedriver Chronicles
- Feb. 11                   Student Presentations on Local Discovery– Dr. Christa Colyer, Dr. Bruce  
 King
- Feb. 14                   Student Presentations on Local Discovery – Dr. Rebecca Alexander  
 Feb. 16                   Student Presentations on Local Discovery – Dr. Ray Kuhn  
 Feb. 18                   Student Presentations on Local Discovery – Dr. Mike Morykwas
- Feb. 21                   Student Presentations on Local Discovery – Dr. Dale Browne,  
 Dr. Anthony Marsh
- Feb. 23                   Student Presentations on Local Discovery – Dr. Richard Williams,  
 Dr. Zheng Cui
- Feb. 25                   Student Presentations on Local Discovery – Dr. Danni Kim Shapiro,  
 Dr. Jacque Fetrow
- Feb. 28                   Student Presentations on Local Discovery – Dr. Jennifer Burg,  
 Dr. Bob Swofford
- Mar. 02                   Student Presentations on Local Discovery – Dr. Susan Fahrbach  
 Mar. 04                   **Paper 2 DUE – The Art of Discovery**
- Mar. 14                   NO CLASS  
                               Reading: Start-up
- Mar. 16                   NO CLASS  
                               Reading: Start-up
- Mar. 18                   NO CLASS  
                               Reading: Start-up
- Mar. 21                   Student Presentation – Local Business  
 Mar. 23                   Student Presentation – Local Business  
 Mar. 25                   **Good Friday Recess**
- Mar. 28                   Student Presentation – Local Business  
 Mar. 30                   Student Presentation – Local Business  
 Apr. 01                   Student Presentation – Local Business
- Apr. 04                   Student Presentation – Local Business  
 Apr. 06                   Student Presentation – Local Business

Apr. 08      Student Presentation – Local Business

Apr. 11      Introduction to Business Plans – Dr. Betsy Gatewood

Apr. 13      Group Work Session

Apr. 15      Field Trip – **Paper 3 DUE – The Makings of an Entrepreneur**

Apr. 18      Business Plan 1 Presentation

Apr. 20      Business Plan 2 Presentation

Apr. 22      Business Plan 3 Presentation

Apr. 25      Business Plan 4 Presentation

Apr. 27      End of the Semester Celebration – **Paper 4 DUE – The Plan**