

## **BCMB 8005 Seminar – Introduction to Graduate Research**

**Course #97-081**

**Location** B121 Life Sciences  
**Meeting Time** Fall 2007, Tuesdays, 5:25-7:25 PM (food and drink provided)  
**Seminar Organizer** Dr. Walter K. Schmidt ([wschmidt@bmb.uga.edu](mailto:wschmidt@bmb.uga.edu); 583-8241)  
**Course Website** <http://www.bmb.uga.edu/wschmidt/bcmb8005.html>

Purpose – to provide practical knowledge and training for beginning BCMB graduate students.

### Syllabus

#### **Aug. 21 (Class 1) Welcome**

1. Formal welcome by Chair and/or Graduate Coordinator
2. Outline of program expectations
3. Intro to University culture – Who’s who?
4. Keys to Success
5. Discussion of “What makes a good PhD student?” and “When personalities clash”
6. Roundtable discussion, Q&A

#### **Aug. 28 (Class 2) Facilities and Safety**

1. Life Sciences, CCRC, Fermentation facility, Science Library
2. Chemical store rooms and Stocked cabinets in Life Sciences and CCRC
3. Official UGA Safety policy and training (<http://www.esd.uga.edu/>)
4. Discussion of assigned reading – “Pharmacy Fire”
5. Roundtable discussion, Q&A

#### **Sept. 4 (Class 3) Professional Development – Official Policies on Ethics**

1. Official UGA Responsible Conduct policy
2. Examples of Scientific Misconduct – Plagiarism and Misrepresentation
3. Computer Use Policy
4. Grievance Procedures
5. Discussion of assigned reading – “Scientific Misconduct” and “Images: keep a distinction...”
6. Roundtable discussion, Q&A

#### **Sept. 11 (Class 4) Professional Development – The Successful Researcher**

1. Hypothesis driven research
2. Data Organization and Duplicating results
3. Resources - What is PubMed? Cubby?  
What is the NCBI database? Blast?  
Library (Nature, Science, <http://www.libs.uga.edu/ejournals/>, Endnote, SciFinder)  
Tomorrow’s Professor, Project Management, and other literature
4. Discussion of assigned reading – “Strong Inference” and “The Man or the Moment?”
5. Roundtable discussion, Q&A

#### **Sept. 18 (Class 5) Professional Development – Funding Opportunities / Grant Writing**

1. Discussion of Professional Development Resources
2. Funding sources for your graduate education
3. Resources - <http://www.ovpr.uga.edu/sponprog/fundinginfo/index.html>  
<http://www.grantsnet.org/>
4. Courses and Opportunities offered by the Graduate School
5. Discussion of resources and assigned reading - “Secrets of the Inner Circle” and “Starter R01 Grants”
6. Roundtable discussion, Q&A

#### **Sept. 25 (Class 6) Meet the Faculty**

1. Invited faculty presentations (4 x 15 min presentations).
2. Closing discussion, Q&A