

BMD 450  
Introduction to Research  
Fall Semester 2005

<b>Instructor:</b>	William B. Davis, Ph.D.
<b>Office:</b>	UCOM 6000      Tel. 380-2710
<b>Office Hours:</b>	By appointment (380-2710)
<b>Class:</b>	Tuesday and Thursday, 3:30 – 4:30, Room 6001
<b>Course Description:</b>	Provides the fundamental concepts pertaining to the scientific method and their application in the acquisition of knowledge. Critical thinking is emphasized in regard to the development of a research proposal derived from an original hypothesis.
<b>Prerequisites:</b>	BMD 311 Human Anatomy BMD 321 Biochemistry I BMD 322 Biochemistry II BMD 335 Human Physiology BMD 336 Physiology Laboratory
<b>Text (Required):</b>	Robert Day, <u>How to Write and Publish a Scientific Paper</u> , 6 <sup>th</sup> edition
<b>Course assignments</b>	Oral critique of a scientific data based article. Oral presentation of a research proposal to address an original hypothesis.
<b>Changes in course assignments:</b>	Any changes in the course assignments will be made in a timely manner and students will be notified of the changes during class meetings.
<b>Exams:</b>	There are no written exams in this course.
<b>Course Grading:</b>	The final grade in the course will be the weighted average of a subjective evaluation on the following:  30%    Oral critique of literature 50%    Oral defense of hypotheses 20%    Class Participation

**CLASS ATTENDANCE:**

Attendance will be based on random role calls. An unexcused absence will result in a letter grade reduction. Excused absence from the group article critique or assigned oral presentation will require makeup. Unexcused absence from an assigned oral presentation will result in a grade of F in the course.

**STUDENT WITH DISABILITIES STATEMENT:**

If you have a specific disability that qualifies you for academic accommodations, please notify me and provide certification from Disability Services in the Office of Special Student Services (Student Center, Room 270, phone 460-7212.)

**BMD 450, INTRO TO RESEARCH, TENTATIVE CLASS SCHEDULE, FALL 2005**

<b>Hour #</b>	<b>Day</b>	<b>Date</b>	<b>Topic</b>
1	T	8/23	Introduction
2	R	8/25	Thinking About Thinking
3	T	8/30	The Four Ways of Knowing
4	R	9/01	Definitions
5	T	9/06	The Scientific Method
6	R	9/08	Research Design
7	T	9/13	Research Design
8	R	9/15	Research Design
9	T	9/20	Group Article Critique
10	R	9/22	Faculty Article Critique
11	T	9/27	Open Discussion
12	R	9/29	TBA
13	T	10/04	TBA
14	R	10/06	TBA
15	T	10/11	TBA
16	R	10/13	TBA
17	T	10/18	TBA
18	R	10/20	TBA
19	T	10/25	TBA
20	R	10/27	TBA
21	T	11/01	TBA
22	R	11/03	TBA
23	T	11/08	TBA
24	R	11/10	TBA
25	T	11/15	TBA
26	R	11/17	TBA
27	T	11/22	TBA
	R	11/24	Thanksgiving Holiday
28	T	11/29	TBA
29	R	12/01	TBA
30	T	12/06	TBA - LAST DAY OF CLASS