

**Syllabus: Scientific Communication 316B Spring**

<u>Instructors:</u>	Randolph A. Miller Dominik Aronsky	
<u>Prerequisite:</u>	none	
<u>Reading material:</u>	publications / articles	
<u>Grading:</u>	letter grade criteria:	
	class attendance & participation	20%
	homework assignments (mid-term exam/exercise?)	40%
	Presentations	10%
	(final exam?)	30%
Homework assignments:	Prepare in MS Word using "Track changes" mode Due date/time: Midnight on the day before the class	

**Class description for BMIF 316 A&B:**

The course will enhance students' skills in written and oral scientific communication. An introductory segment covers categories of scientific writing, the peer review process, and ethical issues in research communication. Through a two-semester sequence, it provides direct, hands-on experience in writing papers, abstracts, and grant proposals; critiquing and copy editing; and, preparing and giving presentations for scientific meetings. FALL, SPRING. [1-1]

## Schedule

### Spring Semester

Wk	Topic	Presenter	Reading/homework			Comments
			Reading material	Exercises	Exercises	
1	Orientation; Paper structure (IMRAD); MS review: major categories; strategies for review	Miller/Aronsky	Papers for reviewing ms: #1-5	Find topic for AMIA poster/paper	Case report	
2	Reviewing a manuscript	Miller/Aronsky	Papers for reviewing ms: #6-9	AMIA abstract/paper proposal: write actual paper/poster		
3	IMRAD: Reviewing a manuscript	Miller/Aronsky	Manuscript review			
4	IMRAD: Intro & Method section	Miller/Aronsky	Manuscript review			Deadline for ms review submission
5	IMRAD: Result section	Miller/Aronsky	Manuscript review			Present slides for paper/poster submission
6	IMRAD: Discussion section	Miller/Aronsky	AMIA submission			
7	Reporting statistics	Miller/Aronsky	AMIA submission			
8	SPRING BREAK		AMIA submission			
9	AMIA submissions	Miller/Aronsky				AMIA submission deadline
10	Grant writing/ thesis writing; Grammar & punctuation	Miller/Aronsky				
11	Presentation AMIA submission	Miller/Aronsky				
12	Reading scales	Miller/Aronsky				
13						
14						
15						
16						
17						