

JOURNAL CLUB COURSES			
Name/Program	Course	Description	Contact and details
Biochemistry and Molecular Biology	BICM 715, 716	Special Topics in Biochemistry. (1-9) Advanced conference course that considers various areas of current interest or rapid development. Topics are developed depending on the interests of students and staff.	Biochemistry has a journal club class that meets fall and spring semester each year. There is a course associated with it- Special Topics in Biochemical Literature (BICM715). Our second and third year students are required to register for the course, but most of the students who participate are not registered. The group typically meets every other week on Wed from 12-2 at Biotech Place with lunch provided to the students. Course director: Thomas Hollis. thollis@wakehealth.edu
Cancer Biology	CABI 711, 712	Advanced Topics in Cancer Biology. (1) Focuses on new and important aspects of research in cancer biology with an emphasis on the current literature. Themes are chosen by the course director and the students. A topic is selected for presentation by each student; with the help of the course director, the student prepares a short lecture to introduce the topic, assigns two key papers for participants to read, and provides a supplemental reading list. The following week, the student leads a discussion of key experimental findings. Broad participation from faculty, postdoctoral fellows, and graduate students is encouraged. Satisfactory/Unsatisfactory	Cancer Biology has a journal club that meets weekly. There is registration; the course is CAB711/12 depending on the semester. Limited availability. Dr. Ravi Singh is the course director and contact person for the course. rasingh@wakehealth.edu
Integrative Physiology and Pharmacology	IPP 705, 706	Student Journal Club. (1) Students participate in a journal club as well as attend a required number of seminars by faculty/outside speakers. Course may be repeated.	Organizer: Kyle Kavanagh. kkavanag@wakehealth.edu
Neurosciences	NEUR 780, 781	Directed Journal Club in Sensory Neuroscience. (1) Correlates with the formal lecture courses in Sensory Neuroscience I-II. Students are required to read and critique papers chosen to complement the classroom lectures. Both seminal papers and current research are reviewed. The directed nature of the readings enhances the student's appreciation and understanding of the formal lectures. Students lead the presentation of the journal articles, thus providing opportunities for teaching in the area of sensory systems	If interested in any of the Neuroscience courses, contact Carol Milligan, PhD. milligan@wakehealth.edu and she will let you know who is directing the journal club for the semester.
	NEUR 783, 784	Directed Journal Club in Developmental and Molecular Neurobiology. (1) Students are required to read and critique papers related to developmental, cell and molecular, or disease/pathological issues in the nervous system. Both seminal papers and current research are reviewed. The directed nature of the readings enhances the student's appreciation and understanding of the formal lectures. Students lead the presentation of the journal articles, thus providing opportunities for teaching in these areas.	
	NEUR 785, 786	Directed Journal Club in Network Science in Neuroimaging. (1) This journal club covers articles related to network science and its application in biological systems, with a particular emphasis on the brain. Assigned reading will cover methodological foundation of network science, as well as the current literature on applications of network science in neuroimaging studies. Although the brain network will be of the main focus, readings may also include other types of networks such as biological, social and technological networks.	
	NEUR 787, 788	Memory, Cognition and Aging Journal Club. (1) The topics in this journal club will cover all aspects of memory, cognition and cognitive aging from molecular and cellular/synaptic mechanisms to behavioral and imaging studies. Papers on basic research and translational science in any model system ranging from rodent, non-human primates to humans will be discussed. In the Journal Club course, each week a student will present a paper using a format indicated by the course director.	
	NEUR 789, 790	Behavioral Pharmacology Journal Club. (1) In this course, students read and present journal articles of current or historical importance that involve drugs and have behavior as the primary dependent variable.	
	NEUR 791	Muscle Biology and Physiology	Organizer: Osvaldo Delbono. Watlington CR4, Thursdays @ 11am.
Physics	PHY 661	Biophysics Seminar. (1) Seminal and current publications in biophysics are studied. Each week a member of the class makes an oral presentation on a chosen publication and leads the ensuing discussion. Students may also be required to make a second oral presentation relevant to their own research. Does not fulfill course requirements for Master's or PhD degrees. May be repeated for credit.	Organized by Martin Guthold, Physics. gutholdm@wfu.edu.
Structural and Computational Biophysics	SCB 701	Structural and Computational Biophysics Journal Club. (1) Seminal and current publications in structural and computational biophysics are read and discussed. P—Admission to the SCB graduate track or POI.	SCB 701 is part of the SCB certificate program, but is open to any interested graduate student. Usually a mix of physics, biochemistry and computer science students. It is taught every semester that there is sufficient interest, which has become essentially every semester. If anyone wants to take it, just have them email me. Fred Salsbury. salsbufr@wfu.edu