Perusall	Create a Perusall account and enteryour course code DREW-63ES% upon registration
Hmewak	Assignments posted an course schedule are due at the beginning of the next class unless otherwise indicated. Homework turned in after the deadline will not be accepted unless arrangements are made before the homework is late. See schedule for when homework is due. Permission to hand in HW via e-mail may be arranged in advance and will not be accepted without prior arrangements. Homework and reading assignments (other than from the text book) will be posted on blackboard.
Home work make up:	Attend neuroscience seminars orline at http://neuroscies.inforingov or on campus. Checkwith the instructor to ask if the seminar will count as a neuroscience seminar). A write up about a seminar will substitute for one HW assignment (peer reviews of selected articles). Up to 3 HW assignments cambe substituted by a seminar write
	literature relevant to these topics. Critical thirking skills and experimental design will be taught through discussion of original research papers that relate to the lecture topic.
Coldinse Goals:	Prerequisite: BIOLB417, CHEMF470 or equivalent instruction in basic cell and molecular biology and nervous system function Students should leQ L / % r ((6 6
	analysis of peer reviewed literature in neurochemistry and in written and oral communication of the strengths and weaknesses of hypothesis divenuesearch in the area of neurochemistry.
l	Whitenhonework, group project and final project assignments will be used to assess
Student Learning Outcomes	Familiarity with current literature related to functions and diseases associated with neurotransmitten/neuromodulator; Abi

Receptorsubtypes and effectors

Termination of effect

Basic neurochemical anatomy of transmitter systems

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(Homework) Students will be guided by the instructor through critical evaluation of peer reviewed papers to achieve the following objectives:

Apply knowledge of neurochemical transmission to interpretation of peer reviewed papers.

Apply knowledge of neurochemistry and experimental design to critically evaluate original research papers and literature reviews.

Develop critical thirking skills and oral and written communication styles to defend one's own interpretation of the data

Knowhowto prepare comments for authors to be submitted in response to an invitation by a journal editor to review a manuscript.

(Group project assignment) Students will gain practice with dual presentations of original research towards the following objectives:

Become

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Final Project

For the final project each student will develop an original theoretical model to answer a question he/she finds to be significant and related to intercellular communication in the CNS. Based on the proposed model students will formulate a set of hypotheses and propose a set of experiments to test one of these hypotheses. The student will describe expected and alternative results and discuss interpretation of both expected and unexpected results. Learning will be assessed from the credibility of the model proposed, ability to assess the rigor of background literature related to the model, ability to identify weaknesses and strengths of prior work and ability to defend how the proposed model improves upon weaknesses and builds upon strengths of prior work. Learning will also be assessed from the students ability to discuss and interpret expected and unexpected results.