

Syllabus
 Methods of Theoretical Physics, PHY 217
 MWF 9:00-9:50pm, W 4:00-4:50pm
 Spring 2016

Instructor:	Dr. Allison Harris Office: Moulton Hall 312C Telephone: 309-438-5246 Email: aharris@phy.ilstu.edu Office Hours: Monday, Wednesday 10-11am Tuesday, Thursday 1:30-2:30pm, or by appointment
Course Description and Objectives:	Mathematics applied to physics multivariate calculus, vector and tensor analysis, curvilinear coordinates, complex numbers, differential equations, numerical methods.
Textbook:	<u>Mathematical Methods for Students of Physics and Related Fields</u> , 2 nd Edition, Hassani, Springer Publishing, ISBN: 978-0-387-09503-5
Course Components:	
Homework:	Will be assigned weekly. Homework is due at 9am on the due date. Late assignments will be penalized as follows: Turned in by noon on the due date = 50% penalty Turned in later than noon on the due date = no credit The lowest 2 homework scores will be dropped to account for any unforeseen absences.
Exams:	There will be 2 in-class exams during the semester, plus the final exam. All exams are comprehensive, closed notes, closed book, and no calculators are allowed unless otherwise announced in class. Makeup/early exams will be given only in cases of emergency or university-sponsored absence. The final exam will be given at the official time during exam week and will be comprehensive.
Online Reading Questions:	There will be a reading assignment for each class period, and there will be a few questions assigned on ReggieNet that correspond to each reading assignment. You can access ReggieNet at http://reggienet.illinoisstate.edu . These questions will be due before the corresponding class period, and will be graded primarily based on participation. Any answer (right or wrong) receives 75% of the points, and a correct answer received 100% of the points. The lowest 5 reading question scores will be dropped to account for any unforeseen absences.
Recitation Problems:	During the once a week recitation section, a couple of in-class problems will be assigned. You may work on these problems in groups, and use your textbook and notes.

Additionally, I will be available to answer questions. Your answers to these problems will be turned-in during recitation, and graded based on whether they are correct or not. There is no partial credit for the recitation problems. The 2 lowest recitation scores will be dropped to account for any unforeseen absences.

Attendance/
Participation: Regular and punctual attendance is expected during every class meeting. There may occasionally be in-class activities. No makeups will be provided for in-class/recitation activities. You will be responsible for material missed in your absence, and lecture notes must be obtained from a classmate. The use of cell phones (talking, texting, etc.) during class will not be allowed. Cell phones must remain in your pocket or bag, and must be on silent or powered off during class.

Grading:	Homework	20%
	Online Reading Questions	5%
	Recitation Problems	10%
	In-Class Exams	45%
	Final Exam	20%

Final letter grades will be based on the following:

89.5 – 100	A
79.5 – 89.4	B
69.5 – 79.4	C
59.5 – 69.4	D
< 59.5	F

Plagiarism and Cheating: Academic integrity is an important part of this University and this course. Students are expected to be honest in all academic work, and a student's placement of his or her name on any academic exercise shall be regarded as assurance that the work is the result of the student's own thought, effort, and study. Students who have questions regarding issues of academic dishonesty should refer to the Code of Student Conduct, B1, which outlines unacceptable behaviors in academic matters. In certain circumstances (such as cheating or plagiarism), I may be required to refer a student to Community Rights and Responsibilities for a violation of Illinois State University's Code of Student Conduct.

Students with Disabilities: Any student needing to arrange a reasonable accommodation for a documented disability should contact Disability Concerns at 350 Fell Hall, 309-438-5853, www.disabilityconcerns.ilstu.edu.