

Syllabus
Methods of Theoretical Physics, PHY 217
MWF 9:00-9:50pm
Spring 2014

Instructor:	Dr. Allison Harris Office: Moulton Hall 312C Telephone: 309-438-5246 Email: aharris@phy.ilstu.edu Office Hours: Monday, Wednesday, Friday 10-11am Tuesday, Thursday 1-2pm, 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 in class on a regular basis. Homework will be randomly collected and graded throughout the semester without prior notification. No late assignments will be accepted. The lowest 3 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. 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 based on participation. The lowest 5 reading question scores will be dropped to account for any unforeseen absences.
Attendance/	Regular and punctual attendance is expected during every

Participation: class meeting. There may occasionally be in-class activities. No makeups will be provided for in-class 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	25%
	Online Reading Questions	5%
	In-Class Exams	50%
	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.