

COLLEGE OF CHEMISTRY COURSE GUIDE (../INDEX.HTML)

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PHYS 89 - INTRODUCTION TO MATHEMATICAL PHYSICS (4 UNITS)

(Taken from the UC Berkeley Course Guide (<http://guide.berkeley.edu>))

COURSE OVERVIEW

SUMMARY

Complex numbers, linear algebra, ordinary differential equations, Fourier series and transform methods, introduction to partial differential equations, introduction to tensors. Applications to physics will be emphasized. This course or an equivalent course required for physics major.

PREREQUISITES

MATH 53 ([math53.html](#))

WORKLOAD

TIME COMMITMENT

3 hours of lecture and 2 hours of discussion per week.

UC Berkeley Course Guide (<http://guide.berkeley.edu>)

COLLEGE OF CHEMISTRY PEER SERVICES

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