

# CHAMP-Plus Syllabus

Fall, 2001

Class meetings will be from 1:00 to 3:30 Thursdays, in Room 12 Olds Hall. There will be one professor (Dan Stump) and a teaching assistant (Dr. Tibor Nagy). The topics to be covered are listed in the table. Also, there will be optional help sessions, with Tibor, at 6-8 pm Tuesdays in Room 209 Physics-Astronomy building.

The final grades will be based on in-class work and homework assignments. If any students or groups of 2 to 3 students would like to do individual projects, to be presented to the class at the end of the semester, tell me about it.

## Weekly Planner

Date	Topic
Aug 30	Introduction to CAPA problems
Sep 6	CAPA problems in mathematics and physics
Sep 13	CAPA problems in mathematics and physics
Sep 20	CAPA problems in mathematics and physics
Sep 27	CAPA problems in mathematics and physics
Oct 4	CAPA problems in mathematics and physics
Oct 11	CAPA problems in mathematics and physics
Oct 18	Introduction to Mathematica
Oct 25	Motion I – Velocity and Acceleration
Nov 1	Motion II – Projectiles
Nov 8	Motion III – Planets
Nov 15	The exponential function
Nov 22	THANKSGIVING BREAK
Nov 29	Simulation of a nuclear reactor
Dec 7	Waves? Chaos? Other?
Dec 14	Waves? Chaos? Other?

## **How to contact the instructors**

Professors:

DAN STUMP

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