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COURSES TAUGHT AT SWARTHMORE COLLEGE

Note: Initials signify that this was a course which I developed (or developed with another faculty member), and I taught it the first time it was offered at Swarthmore.

First two years and courses for non-majors:

- General Physics I
- General Physics II
- Special Relativity and Quantum Physics (**AG, JB**)
- Mechanics and Special Relativity
- Electricity and Magnetism
- Mathematical Methods of Physics (**AG**)
- Thermodynamics and Statistical Mechanics
- Gender and Physical Science (**AG**)

Second two years:

- Analytical Mechanics
- Quantum Mechanics I
- Quantum Mechanics II
- Thermodynamics and Statistical Mechanics
- Nonlinear Dynamics and Chaos (**AG**)
- Computational Physics (**AG**)
- Capstone in GSST (co-taught across Divisions)
- *CURRENTLY UNDER DEVELOPMENT:* Soft matter, living matter (**AG, CC**)

Directed readings and directed research:

- Nonlinear Dynamics and Chaos (**AG, JB**)
- Physics and Theology (**AG**)
- Computational Condensed Matter Physics (**AG**)
- Relativistic Quantum Mechanics and Field Theory (**AG**)
- Classical optics