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 mater (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