School of Physics and Astronomy

Study Abroad Module List 2020-21

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| **Module Code** | **Module Title** | **Level** | **Semester** | **Credits** |
| 00498 | Quantum Mechanics 3 | LH | 1 | 10 |
| 00563 | The General Theory of Relativity | LM | 1 | 10 |
| 00672 | Quantum Mechanics 4 | LM | 1 | 10 |
| 00716 | Observational Cosmology | LH | 1 | 10 |
| 01129 | Statistical Physics | LH | 1 | 10 |
| 01205 | Physics Critique | LM | 1 | 10 |
| 01349 | Fission and Fusion | LH | 1 | 10 |
| 06203 | Medical Imaging | LH | 1 | 10 |
| 14991 | Fission and Fusion | LM | 1 | 10 |
| 17272 | Classical Mechanics and Relativity 2 | LI | 1 | 10 |
| 17273 | Quantum Mechanics 2 | LI | 1 | 10 |
| 17305 | Current Topics in Particle Physics | LM | 1 | 10 |
| 17306 | Experimental Particle Physics Techniques | LM | 1 | 10 |
| 17307 | Superconductivity | LM | 1 | 10 |
| 17476 | Physics Critique | LH | 1 | 10 |
| 18796 | Project Planning and Preliminary Report | LM | 1 | 10 |
| 19718 | Quantum Mechanics and Optics and Waves | LC | 1 | 10 |
| 19748 | Classical Mechanics and Relativity 1 | LC | 1 | 10 |
| 19749 | Special Relativity and Probability and Random Processes | LC | 1 | 10 |
| 19915 | Observational Cosmology | LM | 1 | 10 |
| 21283 | Phase Transitions | LM | 1 | 10 |
| 21826 | The Life and Death of Stars | LH | 1 | 10 |
| 23560 | LM Inference from Scientific Data | LM | 1 | 10 |
| 26017 | LI Particles and Nuclei & A Quantum Approach to Solids | LI | 1 | 10 |
| 27105 | Semiconductor Optoelectronics | LH | 1 | 10 |
| 28571 | LM Nanophotonics | LM | 1 | 10 |
| 29882 | LI Observational Astronomy | LI | 1 | 10 |
| 30033 | LM Ultracold Atoms and Quantum Gases | LM | 1 | 10 |
| 30964 | LH Scientific Computing Laboratory 1 | LH | 1 | 10 |
| 30966 | LH Scientific Computing Laboratory 2 | LH | 1 | 10 |
| 31150 | LH Physical Principles of Radar | LH | 1 | 10 |
| 00539 | Lagrangian and Hamiltonian Mechanics | LI | 2 | 10 |
| 00554 | Structure in the Universe | LI | 2 | 10 |
| 00607 | Chaos and Dynamical Systems | LH | 2 | 10 |
| 00746 | Eigenphysics | LI | 2 | 10 |
| 00953 | Electromagnetism 2 | LI | 2 | 10 |
| 00971 | Radiation and Relativity | LH | 2 | 10 |
| 01087 | Nuclear Physics | LM | 2 | 10 |
| 01114 | Many Particle and Quantum Field Theory | LM | 2 | 10 |
| 01123 | Condensed Matter Physics | LH | 2 | 10 |
| 07811 | General Physics | LH | 2 | 10 |
| 07813 | Current Topics in Theoretical Physics | LH | 2 | 10 |
| 17296 | Statistical Physics and Entropy | LI | 2 | 10 |
| 17301 | Nuclear Physics and Neutrinos | LI | 2 | 10 |
| 17302 | Images and Communications | LH | 2 | 10 |
| 17489 | Electronics | LI | 2 | 10 |
| 17714 | Images and Communications | LM | 2 | 10 |
| 19750 | Electromagnetism and Temperature and Matter | LC | 2 | 20 |
| 19780 | Particle Physics | LH | 2 | 10 |
| 21462 | Nuclear Physics | LH | 2 | 10 |
| 21655 | Condensed Matter Physics | LM | 2 | 10 |
| 22748 | Modern Optics | LI | 2 | 10 |
| 23559 | LH Atomic Physics | LH | 2 | 10 |
| 24318 | LM Quantum Optics | LM | 2 | 10 |
| 24347 | Evolution of Cosmic Structure | LH | 2 | 10 |
| 24348 | Evolution of Cosmic Structure | LM | 2 | 10 |
| 25895 | LH Thermal Hydraulics and Reactor Engineering | LH | 2 | 10 |
| 29127 | LM Asteroseismology and Exoplanets | LM | 2 | 10 |
| 29128 | LH Asteroseismology and Exoplanets | LH | 2 | 10 |
| 30026 | LM Advanced Condensed Matter Physics | LM | 2 | 10 |
| 30682 | LM Relativistic Astrophysics | LM | 2 | 10 |
| 30724 | LH Physics of Music and Sound | LH | 2 | 10 |