PHYSICAL SCIENCE (PS)

PS 500 Astronomy **3 Credit hours**
A study of the stars and planets and galaxies, planetary motion, cosmology and cosmography. Designed to assist teachers and others to develop an interest in astronomy.
Pre-req: PS 500L (may be taken concurrently).
Concurrent PR: PS 500L
Co-req: PS 500L
Grade Mode: Normal Grading Mode

PS 500L Astronomy Laboratory **1 Credit hour**
Fundamental observations in astronomy and their interpreta- tion through physical laws. Quantitative discussion or orbital motion, time, telescopes, solar system, stars, galaxies, and limited opportunity for astronomical observa- tion.
Co-req: PS 500
Grade Mode: Normal Grading Mode

PS 510 Remote Sensing w Applications **4 Credit hours**
A study of the physical systems for collecting remotely sensed data. Statistical/spatial analysis and modeling using image processing/ geographic information/spatial analysis computer software systems with earth resource applications.
Grade Mode: Normal Grading Mode

PS 511 Image Processing/Modeling **4 Credit hours**
A study of image processing/geographic information and spatial analysis hardware/software systems, concurrent and parallel image processing modeling scenarios utilizing geobiophysical data for computer simulation modeling and practicum. (PR: PS 510)
Pre-req: PS 510.
Grade Mode: Normal Grading Mode

PS 580 Special Topics **1-4 Credit hours**
Grade Mode: Normal Grading Mode

PS 581 Special Topics **1-4 Credit hours**
Grade Mode: Normal Grading Mode

PS 582 Special Topics **1-4 Credit hours**
Grade Mode: Normal Grading Mode

PS 583 Special Topics **1-4 Credit hours**
Grade Mode: Normal Grading Mode

PS 585 Independent Study **1-4 Credit hours**
Grade Mode: Normal Grading Mode

PS 586 Independent Study **1-4 Credit hours**
Attributes: No Textbook Required
Grade Mode: Normal Grading Mode

PS 587 Independent Study **1-4 Credit hours**
Grade Mode: Normal Grading Mode

PS 588 Independent Study **1-4 Credit hours**
Grade Mode: Normal Grading Mode

PS 646 Sem Rec Develop Phys Sci **3 Credit hours**
Grade Mode: Normal Grading Mode

PS 648 Mod Physics for Teachers **3-5 Credit hours**
A course designed to provide additional background material in atomic and nuclear physics for teachers. Lecture and laboratory.
Grade Mode: Normal Grading Mode

PS 649 Electronics for Teachers **3-5 Credit hours**
A course in basic theory of electronics for teachers. Lecture and laboratory.
Grade Mode: Normal Grading Mode

PS 650 Special Topics **1-4 Credit hours**
Advanced special topics to provide additional group research and classroom/laboratory opportunities.
Grade Mode: Normal Grading Mode

PS 651 Special Topics **1-4 Credit hours**
Advanced special topics to provide additional group research and classroom/laboratory opportunities.
Grade Mode: Normal Grading Mode

PS 660 Independent Studies **1-4 Credit hours**
Advanced independent study topics to provide additional individual research and classroom/laboratory opportunities.
Attributes: No Textbook Required
Grade Mode: Normal Grading Mode

PS 661 Independent Studies **1-4 Credit hours**
Advanced independent study topics to provide additional individual research and classroom/laboratory opportunities.
Grade Mode: Normal Grading Mode

PS 670 Advanced Practicum **1-4 Credit hours**
Advanced problem solving, geobiophysical modeling, and project development techniques in the physical sciences.
Pre-req: PS 510 and PS 511.
Grade Mode: Normal Grading Mode

PS 681 Thesis Research **1-6 Credit hours**
Credit earned by pursuing directed original research in a physical science area. A grade of PR may be reported at the close of each semester.
Grade Mode: Normal Grading Mode

PS 682 Thesis Research **1-6 Credit hours**
Credit earned by pursuing directed original research in a physical science area. A grade of PR may be reported at the close of each semester.
Grade Mode: Normal Grading Mode