

# **Academics**

Overview

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**Services** 

**Programs** 

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Courses

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# School of Applied Sciences Health, Exercise Sci & Recreation Mgmt

- PH 195: Foundations of Public Health
- PH 300: Environmental Health
- PH 305: Program Planning and Evaluation
- PH 319: Global Health
- PH 352: Basic Epidemiology
- PH 391: Special Topics in Health
- PH 470: Practical Applications in Public Health
- PH 511: Applied Statistics
- PH 528: Public Health Policy
- PH 555: Health Equity
- PH 698: Public Health Practicum
- PH 699: Public Health Capstone





# School of Pharmacy Pharmacy Administration

- Phad 393: Learning & Teaching: A Professional Elec
- Phad 394: Intermed. Biostatistics for Pharmacists
- Phad 395: Pharmacy Ethics
- Phad 396: Marketing for Community Pharmacists
- Phad 397: Survey of Medication Nonadherence
- Phad 430: Research Methods for Pharmacists
- Phad 470: Phy & Psychosoc Aspects Women's Health
- Phad 478: History of Pharmacy
- Phad 492: Current Issues in Health Care
- Phad 495: Techniques of Pharmaceutical Sales
- Phad 496: Principles of Pharmaceutical Marketing
- Phad 497: Personal Finance
- Phad 541: Problems in Pharmacy Administration
- Phad 542: Problems in Pharmacy Administration
- Phad 543: Seminar in Current Health Topics
- Phad 544: Seminar in Current Health Topics
- Phad 597: Medical Anthropology
- Phad 599: Health Care and Contemporary Society
- Phad 661: Epidemiology and Health Data Management
- Phad 679: Primary Data Techniques
- Phad 687: Secondary Data Techniques
- Phad 688: Research Methodology and Techniques
- Phad 689: Pharmaceutical and Healthcare Policy
- Phad 690: Data Management and Statistical Software
- Phad 693: Health Economics
- Phad 697: Thesis
- Phad 698: Non-thesis Research
- Phad 774: Research in Pharmacy Administration
- Phad 780: General Linear Models
- Phad 781: Applied Multivariate Analysis
- Phad 783: Adv Pharmaceutical Mkting & Patient Beha
- Phad 786: Patient Reported Outcomes
- Phad 792: Drug Development and Marketing
- Phad 794: Pharmacoeconomics
- Phad 795: Special Topics in Pharmacy Administratio
- Phad 796: Pharmacoepidemiology
- Phad 797: Dissertation

#### **Pharmaceutics & Drug Delivery**

- Phar 432: Concepts in Pharmaceutical Biotechnology
- Phar 433: Industrial Pharmacy
- Phar 435: Pharmaceutical Stability
- Phar 436: Product Development
- Phar 541: Problems in Pharmaceutics
- Phar 542: Problems in Pharmaceutics
- Phar 543: Seminar in Current Pharm. Topics
- Phar 544: Seminar in Current Pharm. Topics
- Phar 545: Biopharmaceutics and Pharmacokinetics
- Phar 547: Veterinary Pharmaceuticals
- Phar 548: Clinical Laboratory Data Analysis
- Phar 630: Pharm. Protein Design and Development
- Phar 650: Formulation Development
- Phar 651: Regulatory Science I
- Phar 652: Regulatory Science II
- Phar 654: Special Problems in Biopharmaceutics
- Phar 658: Pharmaceutical Manufacturing
- Phar 696: Special Projects





- Phar 697: Thesis
- Phar 735: Analytical Pharmaceutics
- Phar 741: Advanced Pharmaceutics
- Phar 744: Stability of Pharmaceutical Systems
- Phar 749: Product Development
- Phar 750: Applied Pharmaceutics
- Phar 760: Applied Pharmacokinetics
- Phar 797: Dissertation

#### **Biomolecular Sciences**

- Phcg 320: Special Topics in Oceans & Human Health
- Phcg 321: Pathogenesis of Infectious Diseases
- Phcg 329: Herbal Supplements & Alternative Therapy
- Phcg 422: Natural Product Derived Pharmaceuticals
- Phcg 425: Poisonous Plants and Mushrooms
- Phcg 426: Cancer Chemo Targets and Discovery
- Phcg 427: Drug Discovery I
- Phcg 428: Drug Discovery II
- Phcq 450: Career/Achievements in BMS: Nat.Prod.Res
- Phcq 451: Probiotics in Pharmacy
- Phcg 541: Problems in Pharmacognosy
- Phcg 542: Problems in Pharmacognosy
- Phcg 545: Individual Study in Pharmacognosy Res
- Phcg 546: Individual Study in Pharmacognosy Res
- Phcg 550: Careers/Achievements in BMS
- Phcg 620: Selected Topics in Pharmacognosy
- Phcq 627: Natural Product Chemistry
- Phcg 628: Natural Product Chemistry
- Phcg 630: Advanced Topics
- Phcg 631: Analysis of Natural Product Drugs I
- Phcg 632: Analysis of Natural Product Drugs II
- Phcg 633: Analysis of Natural Product Drugs III
- Phcg 634: Biosynthesis of Plant Constituents
- Phcg 635: Introduction to Molecular Cell Biology
- Phcg 636: Fermentation Chemistry
- Phcg 697: Thesis
- Phcg 797: Dissertation
- Phcl 202: Environmental Health Perspectives
- Phcl 340: Animal Cells: Testing New Drugs
- Phcl 341: Human Pathophysiology I
- Phcl 342: Human Pathophysiology II
- Phcl 343: Biochemical Foundations of Therapeutics
- Phcl 344: Physiological Foundation of Therapeutics
- Phcl 345: Nutritional Pharmacology
- Phcl 346: Immunological Basis for Therapeutics
- Phcl 347: Introduction to Environmental Toxicology
- Phcl 348: Principles of Life Science Research
- Phcl 349: Specialized Topics in Environ. Health
- Phcl 351: Drugs and Human Performance
- Phcl 352: Case Studies in Immunology
   Phcl 381: Introduction to Toxicology
- Phcl 382: Fundamentals of Cancer
- Phcl 440: Physiologic Case Study for Therapeutics
- Phcl 441: Pharmacology: Novel Drugs in Clin Trials
- Phcl 442: Clinical Toxicology
- Phcl 443: Basic and Clinical Pharmacology I
- Phcl 444: Basic and Clinical Pharmacology II
- Phcl 445: Nutritional Pharmacology
- Phcl 501: Principles of Life Science Research





- Phcl 503: Lab Meth in Pharmacology & Toxicology I
- Phcl 504: Lab Meth in Pharmacology & Toxicology II
- Phcl 505: Modern Phcl: Novel Drugs Clinical Trials
- Phcl 541: Problems in Pharmacology
- Phcl 547: Introduction to Environmental Toxicology
- Phcl 563: Introductory Pharmacology I
- Phcl 564: Introductory Pharmacology II
- Phcl 569: Drug Abuse Education
- Phcl 581: Introduction to Toxicology
- Phcl 586: Receptors and Channels
- Phcl 611: Teaching in Pharmacology and Toxicology
- Phcl 612: Teaching in Pharmacology and Toxicology
- Phcl 641: Unified Lab in Pharm, Tox & Phys Chem
- Phcl 642: Unified Lab in Pharm, Tox & Phys Chem
- Phcl 643: Seminar: Curr Topics in Pharm & Tox
- Phcl 651: Directed Studies in Pharm and Tox
- Phcl 652: Directed Studies in Pharm and Tox
- Phcl 661: Advanced Physiology
- Phcl 662: Advanced Physiology
- Phcl 663: General Pharmacology I
- Phcl 665: Human Neurobiology
- Phcl 668: Externship in Pharmacology
- Phcl 669: Physiological Chemistry
- Phcl 675: Gen Princ of Pharmacology & Toxicology I
- Phcl 676: Gen Princ Pharmacology & Toxicology II
- Phcl 677: Advanced Topics
- Phcl 679: Methods in Pharmacology and Toxicology
- Phcl 681: Sel Topics Pharmacology and Toxicology
- Phcl 685: Externship in Toxicology
- Phcl 697: Thesis
- Phcl 797: Dissertation

### School of Pharmacy

- Phcy 100: Introduction to Pharmacy
- Phcy 400: Becoming a Pharmacist
- Phcy 401: Foundations of BioMolecular Sciences I
- Phcy 402: Foundations of BioMolecular Sciences II
- Phcy 411: Human Physiology/Pathophysiology I
- Phcy 412: Human Physiology/Pathophysiology II
- Phcy 421: Pharmaceutics and Calculations I
- Phcy 422: Pharmaceutics and Calculations II
- Phcy 431: Social and Administrative Pharmacy I
- Phcy 432: Social and Administrative Pharmacy II
- Phcy 441: Pharmacists' Patient Care Process I
- Phcy 442: Pharmacists' Patient Care Process II
- Phcy 451: Pharmacogenomics
- Phcy 452: Pharmacoimmunology
- Phcy 460: Personal and Professional Development I
- Phcy 461: Interprofessional Collaboration I

#### **Pharmacy Practice**

- Phcy 470: Distributive Intro Pharmacy Practice Exp
- Phcy 471: Institutional Immersion IPPE I

### School of Pharmacy

- Phcy 501: Infectious Diseases Intensive
- Phcy 502: Integrated Systems: Cardiovascular
- Phcy 503: Integrated Systems: Respiratory
- Phcy 504: Integrated Systems: Renal



- Phcy 505: Integrated Systems: Neuromuscular
- Phcy 506: Integrated Systems: CNS/Psych
- Phcy 507: Integrated Systems: Endocrine System
- Phcy 508: Integrated Systems: GI/Nutrition
- Phcy 509: Integrated Systems: DERM/EENT

#### **Pharmacy Practice**

• Phcy 510: Community Pharmacy Practice II

## **School of Pharmacy**

- Phcy 550: Integrated Institutional IPPE
- Phcy 560: Personal and Professional Development II
- Phcy 561: Interprofessional Collaboration II
- Phcy 601: Multisystem Complex Patient Care I
- Phcy 602: Hematology/Oncology/Immunology
- Phcy 603: Integrated Genitourinary & Reproductive
- Phcy 604: Pediatrics and Geriatrics
- Phcy 605: Integrated Selective IPPE
- Phcy 606: Population and Rural Health
- Phcy 607: Practice Law Application
- Phcy 608: Multisystem Complex Patient Care II
- Phcy 650: Integrated Comm & Ambulatory IPPE
- Phcy 651: Integrated Inst & Specialty IPPE
- Phcy 660: Personal & Professional Development III
- Phcy 661: Interprofessional Collaboration III

# College of Liberal Arts Philosophy & Religion

- Phil 101: Introduction to Philosophy
- Phil 102: Introduction to Professional Ethics
- Phil 103: Logic: Critical Thinking
- Phil 104: Contemporary Moral Issues
- Phil 201: Ultimate Questions
- Phil 204: Intro to Ethical Policy Debate
- Phil 209: Asian Philosophy
- Phil 301: History of Philosophy I
- Phil 302: History of Philosophy II
- Phil 307: Medieval Philosophy
- Phil 308: Buddhism
- Phil 309: Chinese Religions: Confucianism & Daoism
- Phil 310: Socrates & Sophistry
- Phil 311: Plato
- Phil 313: Aristotle
- Phil 314: Kant and the Problems of Philosophy
- Phil 315: Nineteenth Century Philosophy
- Phil 316: Topics in Philosophy in American History
- Phil 318: Existentialism
- Phil 319: Symbolic Logic
- Phil 320: Aesthetics
- Phil 321: Ethical Theory
- Phil 322: Epistemology
- Phil 323: Metaphysics
- Phil 324: History of Analytic Philosophy
- Phil 325: Theories of Truth
- Phil 328: Biomedical Ethics
- Phil 330: History of Western Political Philosophy
- Phil 331: Political Philosophy
- Phil 332: Personal Identity and the Self
- Phil 333: Philosophy of Language





- Phil 340: Philosophy of Technology
- Phil 342: Philosophy of Mind
- Phil 344: Moral Psychology
- Phil 345: Environmental Ethics
- Phil 347: Advanced Ethical Policy Debate
- Phil 348: Topics in Religion and the Environment
- Phil 349: Religious Ethics: Issues and Methods
- Phil 350: Philosophy of Law
- Phil 351: Philosophy of Religion
- Phil 352: Care Ethics
- Phil 353: Consequentialism
- Phil 355: Philosophy of Film
- Phil 357: Business Ethics
- Phil 360: Philosophical Issues in Science/Religion
- Phil 370: Philosophy of Leadership
- Phil 371: Public Policy and Ethics
- Phil 372: Conservative Political Philosophy
- Phil 380: Community-Based Internship
- Phil 390: Feminist Philosophy
- Phil 395: Topics in Philosophy
- Phil 396: Philosophical Topics in Religion
- Phil 399: Topics in Philosophy Abroad
- Phil 401: Seminar in History of Ancient Philosophy
- Phil 402: Seminar in History of Modern Philosophy
- Phil 421: Seminar in Ethical Philosophy
- Phil 422: Seminar in Epistemology/Metaphysics
- Phil 431: Seminar in Legal/Political Philosophy
- Phil 432: Seminar in Philosophy of Mind/Language
- Phil 460: Seminar: Philosophy of Science/Religion
- Phil 490: Directed Readings in Philosophy
- Phil 491: Honors Thesis
- Phil 499: Philosophy Assessment Exam
- Phil 590: Adv Seminar Epistemology/Metaphysics
- Phil 591: Advanced Seminar in Value Theory
- Phil 592: Advanced Seminar in History of Phil
- Phil 593: Adv Seminar Epistemology/Metaphysics II
- Phil 594: Advanced Seminar in Value Theory II
- Phil 595: Advanced Seminar in History of Phil II
- Phil 599: Professional Development in Philosophy
- Phil 601: Studies in Ancient Philosophy
- Phil 607: Major Western Philosophers
- Phil 608: Studies in Eastern Philosophy
- Phil 609: Studies in Existential Philosophy
- Phil 611: Problems of Metaphysics
- Phil 613: Problems in the Philosophy of Religion
- Phil 614: Kant
- Phil 617: Problems of Epistemology
- Phil 619: Value Theory
- Phil 620: Problems of Aesthetics
- Phil 621: Problems in Ethics
- Phil 622: Studies in Early Modern Philosophy
- Phil 624: Problems in Philosophical Analysis
- Phil 625: Major Figures of Analytic Philosophy
- Phil 628: Problems in Biomedical Ethics
- · Phil 630: Studies in the History of Political Phil
- Phil 631: Problems in Political Philosophy
   Phil 632: Problems of Personal Identity
- Phil 633: Philosophy of Language
- Phil 642: Problems in the Philosophy of Mind





- Phil 644: Studies in Moral Psychology
- Phil 645: Problems in Environmental Ethics
- Phil 647: Graduate Ethical Policy Debate
- Phil 650: Problems of Philosophy of Law
- Phil 652: Problems in Care Ethics
- Phil 653: Problems in Consequentialism
- Phil 655: Advanced Symbolic Logic
- Phil 656: Problems in the Philosophy of Film
- Phil 657: Problems in Business Ethics
- Phil 660: Problems of Science and Religion
- Phil 665: Philosophy of Science
- Phil 680: Studies in Feminist Philosophy
- Phil 690: Seminar
- Phil 691: Research
- Phil 692: Special Topics in Ethics
- Phil 693: Special Topics in Metaphysics
- Phil 694: Special Topics in History of Philosophy
- Phil 697: Thesis

#### **Physics & Astronomy**

- Phys 101: Introduction to Physics I
- Phys 102: Introduction to Physics II
- Phys 107: Conceptual Physics I
- Phys 108: Conceptual Physics II
- Phys 111: Physics of Sound & Music
- Phys 112: Physics of Light, Color, & Art
- Phys 123: Physics of the Atmosphere
- Phys 201: Physics Toolbox
- Phys 211: Physics for Science & Engineering I
- Phys 212: Physics for Science & Engineering II
- Phys 213: General Physics I
- Phys 214: General Physics II
- Phys 215: Physics for Pharmaceutical Sciences
- Phys 221: Lab Physics for Science & Engineering I
- Phys 222: Lab Physics for Science & Engineering II
- Phys 223: Laboratory Physics I
- Phys 224: Laboratory Physics II
- Phys 303: Physical Theory and Techniques
- Phys 308: Mathematical Physics
- Phys 309: Thermodynamics
- Phys 310: Mechanics
- Phys 313: Physics & Biophysics of Air & Water
- Phys 315: Radiation Science
- Phys 317: Introduction to Modern Physics I
- Phys 318: Introduction to Modern Physics II
- Phys 319: Optics
- Phys 321: Electronics
- Phys 401: Electromagnetic Theory I
- Phys 402: Electromagnetic Theory II
- Phys 413: Introduction to Biophysics
- Phys 415: Radiation Physics Laboratory
- Phys 417: Modern Physics Laboratory
- Phys 422: Digital Electronics & Microprocessors
- Phys 425: Nuclear & Particle Physics Laboratory
- Phys 436: Introduction to Cosmology
- Phys 451: Introduction to Quantum Mechanics
- Phys 461: Senior Seminar
- Phys 463: Senior Research Project
- Phys 464: Senior Research Project





- Phys 498: Senior Review
- Phys 501: Intermediate Electromagnetic Theory I
- Phys 502: Intermediate Electromagnetic Theory II
- Phys 503: Selected Topics in Physics I
- Phys 507: Directed Research
- Phys 510: Physics and Astronomy Colloquium
- Phys 521: Acoustics
- Phys 522: Acoustics Laboratory
- Phys 532: Advanced Acoustics Laboratory
- Phys 533: Survey of Topics in Physics I
- Phys 534: Survey of Topics in Physics II
- Phys 540: Introduction to Scientific Computing
- Phys 629: Selected Topics in Physics I
- Phys 630: Selected Topics in Physics II
- Phys 634: Electronics in Research
- Phys 636: Advanced Physical Optics
- Phys 651: Mathematical Methods of Physics I
- Phys 652: Mathematical Methods of Physics II
- Phys 697: Thesis Research in Physics
- Phys 705: Advanced Acoustics
- Phys 707: Atomic and Nuclear Physics
- Phys 709: Advanced Mechanics I
- Phys 710: Advanced Mechanics II
- Phys 711: Quantum Mechanics I
- Phys 712: Quantum Mechanics II
- Phys 717: Modern Physics I • Phys 718: Modern Physics II
- Phys 721: Advanced Electromagnetic Theory I
- Phys 722: Advanced Electromagnetic Theory II
- Phys 723: Nuclear Physics I
- Phys 724: Nuclear Physics II
- Phys 725: Solid State Physics I
- Phys 726: Solid State Physics II
- Phys 727: Adv Thermodynamics/Statistical Mech I
- Phys 728: Adv Thermodynamics/Statistical Mech II
- Phys 731: Quantum Field Theory I
- Phys 732: Quantum Field Theory II
- Phys 733: Elementary Particle Physics
- Phys 735: Gravitational Physics
- Phys 749: Advanced Topics in Physics I
- Phys 750: Advanced Topics in Physics II
- Phys 797: Dissertation

