



# Pharmacogenomics Courses

## Semester 1: Foundation Courses

- **PHDD 8001:** Seminar in Drug Development
- **PCEU 7050:** Ethics in Scientific Research - Pharmacy
- **PSCI 7103:** Metabolism, Molecular Biology, and Pharmacogenomics

## Semesters 2-4: Core Courses

### Fall

- **PGHX 8080:** Human Genetics
- **PHGX 9000:** Cancer Genomics\*

### Spring

- **PHID 8015:** Pharmaceutical Biotechnology
- **PHGX 8090:** Advanced Pharmacogenomics

### Summer

- **PHGX 9010:** Nutrigenomics\*
- **PHGX 9090:** Careers in Pharmacogenomics\*
- **PHTH 9140:** Clinical Applications in Pharmacogenomics

## Semester 5: Capstone Courses

- **PHDD 8091:** Capstone I
- **PCEU 7010:** Biostatistics & Research Methods, or **EDST 7010:** Statistical Data Analysis I

## Semester 6: Capstone Courses

- **PHDD 8092:** Capstone II
- **PHDD 8001:** Seminar in Drug Development
- **PHGX 9020:** Implementation Science\*

\*These are Advanced Track courses. For Drug Development and Pharmacy Leadership tracks, refer to the course substitutions below:

## Special Tracks

### Drug Development Track

- **Fall** - instead of PHGX 9000...
- **Summer** - take PHDD 8001 or PHGX 9090, and instead of PHGX 9010...
- **Final Semester** - instead of PHDD 8001 and PHGX 9020...

choose among:

- PHDD 8030: Preclinical/Non-Clinical Studies for IND Approval
- PHDD 8050: Phase I/II Clinical Trials Design & Research
- PHDD 8070: Phase III/IV Clinical Trials Design & Research

### Pharmacy Leadership Track

- **Fall** - instead of PHGX 9000...
- **Summer** - take PHDD 8001 or PHGX 9090, and instead of PHGX 9010...
- **Final Semester** - instead of PHDD 8001 and PHGX 9020...

choose among:

- HCA 7002: Principles of Leadership
- PHLD 8010: Leading Quality Management
- PHLD 8020: HR Management in Pharmacy
- PHLD 8030: Communication for Pharmacy Leaders
- PHLD 8040: Management of Medicine Use Systems
- PHLD 8050: Pharmacy Economics
- PHLD 8070: Accounting & Financial Decision-Making