# COURSES A-Z

Courses are organized by subject and include courses at the undergraduate and graduate levels.

Search courses by keyword using the Advanced Course Search (http://catalog.upenn.edu/course-search/).

For more information, see the guide to Course Numbering and Academic Credit (http://catalog.upenn.edu/undergraduate/policies-procedures/course-exam/course-numbering-academic-credit/) at the University of Pennsylvania.

## A
- Accounting (ACCT) (http://catalog.upenn.edu/courses/acct/)
- Africana Studies (AFRC) (http://catalog.upenn.edu/courses/afrc/)
- American Sign Language (ASLD) (http://catalog.upenn.edu/courses/asld/)
- Amharic (AMHR) (http://catalog.upenn.edu/courses/amhr/)
- Anatomy (ANAT) (http://catalog.upenn.edu/courses/anat/)
- Ancient History (ANCH) (http://catalog.upenn.edu/courses/anch/)
- Ancient Near East Languages (ANEL) (http://catalog.upenn.edu/courses/anel/)
- Anthropology (ANTH) (http://catalog.upenn.edu/courses/anth/)
- Applied Math & Computational Science (AMCS) (http://catalog.upenn.edu/courses/amcs/)
- Applied Positive Psychology (APOP) (http://catalog.upenn.edu/courses/apop/)
- Arabic (ARAB) (http://catalog.upenn.edu/courses/arab/)
- Architecture (ARCH) (http://catalog.upenn.edu/courses/arch/)
- Art & Archaeology of Mediterranean World (AAMW) (http://catalog.upenn.edu/courses/aamw/)
- Art History (ARTH) (http://catalog.upenn.edu/courses/arth/)
- Asian American Studies (ASAM) (http://catalog.upenn.edu/courses/asam/)
- Asian Languages (ALAN) (http://catalog.upenn.edu/courses/alan/)
- Astronomy (ASTR) (http://catalog.upenn.edu/courses/astr/)
- Biotechnology (BIOT) (http://catalog.upenn.edu/courses/biot/)
- Bosnian-Croatian-Serbo (BCS) (http://catalog.upenn.edu/courses/bcs/)
- Business Economics & Public Policy (BEPP) (http://catalog.upenn.edu/courses/bepp/)

## C
- Cell and Molecular Biology (CAMB) (http://catalog.upenn.edu/courses/camb/)
- Chemical & Biomolecular Engineering (CBE) (http://catalog.upenn.edu/courses/cbe/)
- Chemistry (CHEM) (http://catalog.upenn.edu/courses/chem/)
- Chichewa (CHIC) (http://catalog.upenn.edu/courses/chic/)
- Chinese (CHIN) (http://catalog.upenn.edu/courses/chin/)
- Cinema and Media Studies (CIMS) (http://catalog.upenn.edu/courses/cims/)
- City and Regional Planning (CPLN) (http://catalog.upenn.edu/courses/cpln/)
- Classical Studies (CLST) (http://catalog.upenn.edu/courses/clst/)
- Climate Change (CLCH) (http://catalog.upenn.edu/courses/clch/)
- Cognitive Science (COGS) (http://catalog.upenn.edu/courses/cogs/)
- College (COLL) (http://catalog.upenn.edu/courses/coll/)
- Communications (COMM) (http://catalog.upenn.edu/courses/comm/)
- Comparative Literature (COML) (http://catalog.upenn.edu/courses/coml/)
- Computer and Information Science (CIS) (http://catalog.upenn.edu/courses/cis/)
- Computer and Information Technology (CIT) (http://catalog.upenn.edu/courses/cit/)
- Creative Writing (CRWR) (http://catalog.upenn.edu/courses/crwr/)
- Criminology (CRIM) (http://catalog.upenn.edu/courses/crim/)
- Czech (CZCH) (http://catalog.upenn.edu/courses/czch/)

## D
- Data Analytics (DATA) (http://catalog.upenn.edu/courses/data/)
- Demography (DEMG) (http://catalog.upenn.edu/courses/demg/)
- Dental - Community Oral Health (DCOH) (http://catalog.upenn.edu/courses/dcoh/)
- Dental - Dental Medicine (DENT) (http://catalog.upenn.edu/courses/dent/)
- Dental - Endodontics (DEND) (http://catalog.upenn.edu/courses/dend/)
- Dental - Graduate Core Curriculum (DADE) (http://catalog.upenn.edu/courses/dade/)
- Dental - Graduate Endodontics (GEND) (http://catalog.upenn.edu/courses/gend/)
- Dental - Graduate Oral Medicine (GOMD) (http://catalog.upenn.edu/courses/gomd/)
- Dental - Graduate Orthodontics (GORT) (http://catalog.upenn.edu/courses/gort/)
- Dental - Graduate Pediatrics (GPED) (http://catalog.upenn.edu/courses/gped/)
- Dental - Graduate Periodontics (GPRD) (http://catalog.upenn.edu/courses/gprd/)
• Dental - Oral Medicine (DOMD) (http://catalog.upenn.edu/courses/domd/)
• Dental - Oral Surgery (DOSP) (http://catalog.upenn.edu/courses/dosp/)
• Dental - Orthodontics (DORT) (http://catalog.upenn.edu/courses/dort/)
• Dental - Pediatrics (DPED) (http://catalog.upenn.edu/courses/dped/)
• Dental - Periodontics (DPRD) (http://catalog.upenn.edu/courses/dprd/)
• Dental - Radiology (DRAD) (http://catalog.upenn.edu/courses/drad/)
• Dental - Restorative Dentistry (DRST) (http://catalog.upenn.edu/courses/drst/)
• Design (DSGN) (http://catalog.upenn.edu/courses/dsgn/)
• Dutch (DTCN) (http://catalog.upenn.edu/courses/dtch/)

E

• East Asian Languages & Civilization (EALC) (http://catalog.upenn.edu/courses/ealc/)
• Economics (ECON) (http://catalog.upenn.edu/courses/econ/)
• Education (EDUC) (http://catalog.upenn.edu/courses/educ/)
• Education - Education Entrepreneurship (EDEN) (http://catalog.upenn.edu/courses/eden/)
• Education - Higher Education Management (EDHE) (http://catalog.upenn.edu/courses/edhe/)
• Education - Independent School Teaching Residency (EDPR) (http://catalog.upenn.edu/courses/edpr/)
• Education - Medical Education (EDME) (http://catalog.upenn.edu/courses/edme/)
• Education - Mid-Career Educational & Organizational Leadership (EDMC) (http://catalog.upenn.edu/courses/edmc/)
• Education - Penn Chief Learning Officer (EDCL) (http://catalog.upenn.edu/courses/edcl/)
• Education - School & Mental Health Counseling (EDSC) (http://catalog.upenn.edu/courses/edsc/)
• Education - School Leadership (EDSL) (http://catalog.upenn.edu/courses/edsl/)
• Education - Urban Teaching Residency Certificate (EDTC) (http://catalog.upenn.edu/courses/edtc/)
• Education - Urban Teaching Residency Master's (EDTF) (http://catalog.upenn.edu/courses/edtf/)
• Electrical & Systems Engineering (ESE) (http://catalog.upenn.edu/courses/ese/)
• Energy Management and Policy (ENMG) (http://catalog.upenn.edu/courses/enmg/)
• Engineering & Applied Science (EAS) (http://catalog.upenn.edu/courses/eas/)
• Engineering (ENGR) (http://catalog.upenn.edu/courses/engr/)
• Engineering Mathematics (ENM) (http://catalog.upenn.edu/courses/enm/)
• English (ENGL) (http://catalog.upenn.edu/courses/engl/)
• Environmental Studies (ENVS) (http://catalog.upenn.edu/courses/envs/)
• Epidemiology (EPID) (http://catalog.upenn.edu/courses/epid/)

F

• Filipino (FILP) (http://catalog.upenn.edu/courses/filp/)
• Finance (FNCE) (http://catalog.upenn.edu/courses/fnce/)
• Fine Arts (FNAR) (http://catalog.upenn.edu/courses/fnar/)
• Folklore (FOLK) (http://catalog.upenn.edu/courses/folk/)
• French (FREN) (http://catalog.upenn.edu/courses/fren/)
• Freshman Seminar (FRSM) (http://catalog.upenn.edu/courses/frsm/)

G

• Gender, Sexuality & Women's Studies (GSWS) (http://catalog.upenn.edu/courses/gsws/)
• Genetic Counseling (GENC) (http://catalog.upenn.edu/courses/genc/)
• Genomics & Comp. Biology (GCB) (http://catalog.upenn.edu/courses/gcb/)
• Geology (GEOL) (http://catalog.upenn.edu/courses/geol/)
• Germanic Languages (GRMN) (http://catalog.upenn.edu/courses/grmn/)
• Global Studies (GLBS) (http://catalog.upenn.edu/courses/glbs/)
• Government Administration (GAFL) (http://catalog.upenn.edu/courses/gafl/)
• Graduate Arts & Sciences (GAS) (http://catalog.upenn.edu/courses/gas/)
• Greek (GREK) (http://catalog.upenn.edu/courses/grek/)
• Gujarati (GUJR) (http://catalog.upenn.edu/courses/gujr/)

H

• Health & Societies (HSOC) (http://catalog.upenn.edu/courses/hsoc/)
• Health Care Innovation (HCIN) (http://catalog.upenn.edu/courses/hcin/)
• Health Care Management (HCMG) (http://catalog.upenn.edu/courses/hcmg/)
• Health Policy Research (HPR) (http://catalog.upenn.edu/courses/hpr/)
• Hebrew (HEBR) (http://catalog.upenn.edu/courses/hebr/)
• Hindi (HIND) (http://catalog.upenn.edu/courses/hind/)
• Historic Preservation (HSPV) (http://catalog.upenn.edu/courses/hspv/)
• History & Sociology of Science (HSSC) (http://catalog.upenn.edu/courses/hssc/)
• History (HIST) (http://catalog.upenn.edu/courses/hist/)
• Hungarian (HUNG) (http://catalog.upenn.edu/courses/hung/)

I

• Igbo (IGBO) (http://catalog.upenn.edu/courses/igbo/)
• Immunology (IMUN) (http://catalog.upenn.edu/courses/imun/)
• Indonesian (INDO) (http://catalog.upenn.edu/courses/indo/)
• Integrated Product Design (IPD) (http://catalog.upenn.edu/courses/ipd/)
• Integrated Studies (INTG) (http://catalog.upenn.edu/courses/intg/)
• Intercultural Communication (ICOM) (http://catalog.upenn.edu/courses/icom/)
• International Relations (INTR) (http://catalog.upenn.edu/courses/intr/)
• Irish Gaelic (IRIS) (http://catalog.upenn.edu/courses/iris/)
• Italian (ITAL) (http://catalog.upenn.edu/courses/ital/)

J
• Japanese (JPAN) (http://catalog.upenn.edu/courses/jpan/)
• Jewish Studies Program (JWST) (http://catalog.upenn.edu/courses/jwst/)

K
• Kannada (KAND) (http://catalog.upenn.edu/courses/kand/)
• Korean (KORN) (http://catalog.upenn.edu/courses/korn/)

L
• Landscape Architecture & Regional Planning (LARP) (http://catalog.upenn.edu/courses/larp/)
• Latin (LATN) (http://catalog.upenn.edu/courses/latn/)
• Latin American & Latino Studies (LALS) (http://catalog.upenn.edu/courses/lals/)
• Law (LAW) (http://catalog.upenn.edu/courses/law/)
• Law - Master in Law (LAWM) (http://catalog.upenn.edu/courses/lawm/)
• Leadership and Communication (LEAD) (http://catalog.upenn.edu/courses/lead/)
• Legal Studies & Business Ethics (LGST) (http://catalog.upenn.edu/courses/lgst/)
• Linguistics (LING) (http://catalog.upenn.edu/courses/ling/)
• Logic, Information and Computation (LGIC) (http://catalog.upenn.edu/courses/lgic/)

M
• Malagasy (MALG) (http://catalog.upenn.edu/courses/malg/)
• Malayalam (MLYM) (http://catalog.upenn.edu/courses/mlym/)
• Management (MGMT) (http://catalog.upenn.edu/courses/mgmt/)
• Management of Economics (MGEO) (http://catalog.upenn.edu/courses/mgeo/)
• Marathi (MRTI) (http://catalog.upenn.edu/courses/mrti/)
• Marketing (MKTG) (http://catalog.upenn.edu/courses/mktg/)
• Master of Liberal Arts (MLA) (http://catalog.upenn.edu/courses/ma/)
• Master of Science in Social Policy (MSSP) (http://catalog.upenn.edu/courses/mssp/)
• Master of Science in Translational Research (MTR) (http://catalog.upenn.edu/courses/mtr/)
• Master of Urban Spatial Analytics (MUSA) (http://catalog.upenn.edu/courses/musa/)
• Materials Science and Engineering (MSE) (http://catalog.upenn.edu/courses/mse/)
• Mathematical Sciences (MTHS) (http://catalog.upenn.edu/courses/mths/)
• Mathematics (MATH) (http://catalog.upenn.edu/courses/math/)
• Mechanical Engineering and Applied Mechanics (MEAM) (http://catalog.upenn.edu/courses/meam/)
• Medical Physics (MPHY) (http://catalog.upenn.edu/courses/mphy/)
• Military Science (MSCI) (http://catalog.upenn.edu/courses/msci/)
• Modern Middle East Studies (MODM) (http://catalog.upenn.edu/courses/modm/)
• Music (MUSC) (http://catalog.upenn.edu/courses/musc/)

N
• Nanotechnology (NANO) (http://catalog.upenn.edu/courses/nano/)
• Naval Science (NSCI) (http://catalog.upenn.edu/courses/nsci/)
• Near Eastern Languages & Civilization (NELC) (http://catalog.upenn.edu/courses/nels/)
• Network and Social Systems Engineering (NETS) (http://catalog.upenn.edu/courses/nets/)
• Neuroscience (NEUR) (http://catalog.upenn.edu/courses/neur/)
• Neuroscience (NEUR) (http://catalog.upenn.edu/courses/nee/)
• Nonprofit Leadership (NPLD) (http://catalog.upenn.edu/courses/npld/)
• Nursing (NURS) (http://catalog.upenn.edu/courses/nurs/)

O
• Operations, Information and Decisions (OIDD) (http://catalog.upenn.edu/courses/oidd/)
• Organizational Anthropology (ORG) (http://catalog.upenn.edu/courses/organ/)
• Organizational Dynamics (DYNM) (http://catalog.upenn.edu/courses/dynm/)

P
• Pashto (PASH) (http://catalog.upenn.edu/courses/pash/)
• Persian (PERS) (http://catalog.upenn.edu/courses/pers/)
• Pharmacology (PHRM) (http://catalog.upenn.edu/courses/phrm/)
• Philosophy (PHIL) (http://catalog.upenn.edu/courses/phil/)
• Philosophy, Politics, Economics (PPE) (http://catalog.upenn.edu/courses/ppe/)
• Physics (PHYS) (http://catalog.upenn.edu/courses/phys/)
• Polish (PLSH) (http://catalog.upenn.edu/courses/plsh/)
• Political Science (PSCI) (http://catalog.upenn.edu/courses/psci/)
• Portuguese (PRTG) (http://catalog.upenn.edu/courses/prtg/)
• Professional Writing (PROW) (http://catalog.upenn.edu/courses/prow/)
• Psychology (PSYC) (http://catalog.upenn.edu/courses/psyc/)
• Public Health Studies (PUBH) (http://catalog.upenn.edu/courses/pubh/)
• Punjabi (PUNJ) (http://catalog.upenn.edu/courses/punj/)

Q
• Quechua (QUEC) (http://catalog.upenn.edu/courses/quec/)

R
• Real Estate (REAL) (http://catalog.upenn.edu/courses/real/)
• Regulation (REG) (http://catalog.upenn.edu/courses/reg/)
• Religion and Culture (RELC) (http://catalog.upenn.edu/courses/relic/)
• Religious Studies (RELS) (http://catalog.upenn.edu/courses/rels/)
• Robotics (ROBO) (http://catalog.upenn.edu/courses/robo/)
• Romance Languages (ROML) (http://catalog.upenn.edu/courses/roml/)
• Russian (RUSS) (http://catalog.upenn.edu/courses/russ/)

S
• Sanskrit (SKRT) (http://catalog.upenn.edu/courses/skrt/)
• Scandinavian (SCND) (http://catalog.upenn.edu/courses/scnd/)
• Science, Technology & Society (STSC) (http://catalog.upenn.edu/courses/stsc/)
• Scientific Computing (SCMP) (http://catalog.upenn.edu/courses/scmp/)
• Scientific Processes (SPRO) (http://catalog.upenn.edu/courses/spro/)
• Social Work (SWRK) (http://catalog.upenn.edu/courses/swrk/)
• Sociology (SOCI) (http://catalog.upenn.edu/courses/soci/)
• South Asia Studies (SAST) (http://catalog.upenn.edu/courses/sast/)
• Spanish (SPAN) (http://catalog.upenn.edu/courses/span/)
• Statistics (STAT) (http://catalog.upenn.edu/courses/stat/)
• Sudanese Arabic (SARB) (http://catalog.upenn.edu/courses/sarb/)
• Swahili (SWAH) (http://catalog.upenn.edu/courses/swah/)
• Swedish (SWED) (http://catalog.upenn.edu/courses/swed/)

T
• Tamil (TAML) (http://catalog.upenn.edu/courses/taml/)
• Telugu (TELU) (http://catalog.upenn.edu/courses/telu/)
• Thai (THAI) (http://catalog.upenn.edu/courses/thai/)
• Theatre Arts (THAR) (http://catalog.upenn.edu/courses/thar/)
• Tibetan (TIBT) (http://catalog.upenn.edu/courses/tibt/)
• Tigrinya (TIBT) (http://catalog.upenn.edu/courses/tigr/)
• Turkish (TURK) (http://catalog.upenn.edu/courses/turk/)
• Twi (TWI) (http://catalog.upenn.edu/courses/twi/)

U
• Ukrainian (UKRN) (http://catalog.upenn.edu/courses/ukrn/)
• Urban Studies (URBS) (http://catalog.upenn.edu/courses/urbs/)
• Urdu (URDU) (http://catalog.upenn.edu/courses/urdu/)

V
• Veterinary & Biomedical Science (VBMS) (http://catalog.upenn.edu/courses/vbms/)
• Veterinary Clinical Studies - Medicine Courses (VMED) (http://catalog.upenn.edu/courses/vmed/)
• Veterinary Clinical Studies - New Bolton Center (VCSN) (http://catalog.upenn.edu/courses/vcsn/)
• Veterinary Clinical Studies - Surgery Courses (VSUR) (http://catalog.upenn.edu/courses/vsur/)
• Veterinary Clinical Studies and Advanced Medicine - Philadelphia (VCSP) (http://catalog.upenn.edu/courses/vcsp/)
• Veterinary Independent Study & Research (VISR) (http://catalog.upenn.edu/courses/visr/)
• Veterinary Pathobiology (VPTH) (http://catalog.upenn.edu/courses/vpth/)
• Vietnamese (VIET) (http://catalog.upenn.edu/courses/viet/)
• Viper (VIPR) (http://catalog.upenn.edu/courses/vipr/)
• Visual Studies (VLST) (http://catalog.upenn.edu/courses/vlst/)

W
• Wharton Undergraduate (WH) (http://catalog.upenn.edu/courses/wh/)
• Wolof (WOLF) (http://catalog.upenn.edu/courses/wolf/)

Y
• Yiddish (YDSH) (http://catalog.upenn.edu/courses/ydsh/)
• Yoruba (YORB) (http://catalog.upenn.edu/courses/yorb/)

Z
• Zulu (ZULU) (http://catalog.upenn.edu/courses/zulu/)