## COURSES

### Course Listings by Subject

#### A
- Accounting (ACCT)
- Akkadian (AKKD)
- American Studies (AMST)
- Anatomy (ANAT)
- Ancient Near East and Egypt (ANEE)
- Anesthesiology (ANES)
- Anthropology (ANTH)
- Applied Music (MUAP)
- Arabic (ARAB)
- Art (ARTS)
- Art History (ARTH)
- Asian Studies (ASIA)
- Astronomy (ASTR)

#### B
- Banking & Finance (BAFI)
- Biochemistry (BIOC)
- Bioethics (BETH)
- Biology (BIOL)
- Biomedical Engineering (EBME)
- Biomedical Sciences Training Program (BSTP)
- Biosciences (BIOS)
- Business Law (BLAW)

#### C
- Cancer Center (CNCR)
- Cell Biology (CBIO)
- Cell Biology (CLBY)
- Chemical Engineering (ECHE)
- Chemistry (CHEM)
- Childhood Studies Program (CHST)
- Chinese (CHIN)
- Civil Engineering (ECIV)
- Classics (CLSC)
- Clinical medicine - CCLCM (CMED)
- Clinical Research Scholars Prg (CRSP)
- Cognitive Science (COGS)
- Communication Sciences (COSI)

#### D
- Dance (DANC)
- Data Science (DSCI)
- Dental Public Health (DPHC)
- Dentistry - Faculty (DENF)
- Dentistry (DENT)
- Design & Innovation (DESN)
- Disease & Restoration of Hlth (DSRE)
- Disease Process (DSPR)
- Doctor of Nursing (NUND)

#### E
- Earth, Environ & Planetary Sci (EEPS)
- Economics (ECON)
- Education - John Carroll Univ (EDJCU)
- Education (EDUC)
- Electrical Engr & Comp Sci (EECS)
- Endodontics (DND)
- Engineering Science (ENGR)
- English (ENGL)
- Entrepreneurship (ENTP)
- Environmental Health Studies (EVHS)
- Environmental Studies (ESTD)
- Ethnic Studies (ETHS)
- Examination Master/Ph.D. (EXAM)
- Executive Doctor of Management (EDMP)
- Executive MBA (EMBA)
- Expanded Function Dental Aux (EFDA)

#### F
- First Seminar Academic English (FSAE)
- First Seminar Common Curric (FSCC)
- First Seminar Cont Semester (FSCS)
- First Seminar Natural World (FSNA)
- First Seminar Social World (FSSW)
- First Seminar Symbolic World (FSSY)
- First Seminar Transfer Supplem (FSTS)
- French (FRCH)

#### G
- Genetics (GENE)
- German (GRMN)
- Gerontological Studies (GERO)
- Global MBA (GMBA)
- Greek (GREK)

#### H
- Health & Well-Being (HEWB)
- Health Disease and Processes (HWDP)
- Health Systems Management (HSMC)
- Hebrew (HBRW)
- History (HSTY)
- Humanities (HUMN)

#### I
- Information Systems (MIDS)
- Inquiry (INQU)
- Inst for Integr of Mgmt & Engr (IIME)
- Integrated Biological Sciences (IBIS)
- Integrated Biological Studies (IBMS)
- International Health (INTH)
• International Studies (INTL)
• Italian (ITAL)

J
• Japanese (JAPN)
• Judaic Studies (JDST)

L
• Labor & Human Resource Policy (LHRP)
• Latin (LATN)
• Law (LAWS)
• Leadership (LDRS)
• Linguistics (LING)

M
• Macromolecular/Polymer Science (EMAC)
• Maintenance of Health (MAHE)
• Management (MGMT)
• Management Policy (PLCY)
• Management Study Abroad (MGAB)
• Marketing (MKMR)
• Master of Nursing (NUMN)
• Master of Sci in Oper Research (MSOR)
• Materials Science & Engineering (EMSE)
• Mathematics (MATH)
• MBA Core (MBAC)
• MBA Part Time Cohort (MBAP)
• Mechanical & Aerospace Engr (EMAE)
• Med Scientist Training Program (MSTP)
• Military Science (MLSC)
• Modern Foreign Lit & Mod Lang (MLIT)
• Molecular Biol & Microbiology (MBIO)
• Molecular Medicine (MMED)
• Molecular Virology Train Prog (MVIR)
• MSM in Business Analytics (MSBA)
• MSM in Finance (MSFI)
• MSM in Finance-China (MSFC)
• Music History (MUHI)
• Music Theory (MUTH)
• Music, Audio Recording (MUAR)
• Music, Composition (MUCP)
• Music, Dal Negro/Eurhythmics (MUDM)
• Music, Education (MUED)
• Music, Ensembles (MUEN)
• Music, General/Misc (MUGN)
• Music, Pedagogy (MUDP)

N
• Neurosciences (NEUR)
• Nurse Practitioner (NUNP)
• Nursing (NURS)
• Nursing Anesthesiology (NUAN)
• Nursing Education (NUED)
• Nutrition (NTRN)

O
• Operations Management (OPMT)
• Operations Research (OPRE)
• Oral & Maxillofacial Surgery (OMFS)
• Oral Medicine (DORL)
• Organizational Behavior (ORBH)
• Origins (ORIG)
• Orthodontics (DRTH)

P
• Pathology (PATH)
• Patient Based Clinicl Cmprhnsv (COMP)
• Pediatric Dentistry (DPED)
• Periodontics (DPER)
• Pharmacology (PHRM)
• Philosophy (PHIL)
• Physical Education (PHED)
• Physician Assistant Studies (PAST)
• Physics (PHYS)
• Physiology & Biophysics (PHOL)
• Political Science (POSC)
• Population & Quant Health Sci (PQHS)
• Portuguese (PORT)
• Positive Organizational Devel (MPOD)
• Positive Organztnl Devel-India (IPOD)
• Pract Oriented Engr Mast Prog (EPOM)
• Psychology (PSCL)
• Public Health (MPHP)
• Quantitative Methods in Mgmt (QUMM)

R
• Regenerative Med Entrpmrst (RGME)
• Religious Studies (RLGN)
• Restoration & Mainten of Hlth (REMA)
• Restoration of Health (REHE)
• Russian (RUSN)

S
• SAGES Capstone Experience (UCAP)
• Schl of Med Graduate Education (MGRD)
• School of Applied Soc Sciences (SASS)
• Social Justice (SJUS)
• Sociology (SOCI)
• Spanish (SPAN)
• Statistics (STAT)
• Systems Biology and Bioinform (SYBB)
Course Listings by Subject Code

A
- (ACCT) Accounting
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C
- (CBIO) Cell Biology
- (CHEM) Chemistry
- (CHIN) Chinese

D
- (DANC) Dance
- (DENF) Dentistry - Faculty
- (DENT) Dentistry
- (DESNI) Design & Innovation
- (DENDO) Endodontics
- (DORL) Oral Medicine
- (DPED) Pediatric Dentistry
- (DPER) Periodontics
- (DPHC) Dental Public Health
- (DRTH) Orthodontics
- (DSCI) Data Science
- (DSPR) Disease Process
- (DSRE) Disease & Restoration of Hlth

E
- (EBME) Biomedical Engineering
- (ECHE) Chemical Engineering
- (ECIV) Civil Engineering
- (ECOM) Economics
- (EDJC) Education - John Carroll Univ
- (EDMP) Executive Doctor of Management
Courses

- (EDUC) Education (http://bulletin.case.edu/course-descriptions/educ)
- (EECS) Electrical Engr & Comp Sci (http://bulletin.case.edu/course-descriptions/eecs)
- (EFDA) Expanded Function Dental Aux (http://bulletin.case.edu/course-descriptions/efda)
- (EMAC) Macromolecular/Polymere Science (http://bulletin.case.edu/course-descriptions/emac)
- (EMAE) Mechanical & Aerospace Engr (http://bulletin.case.edu/course-descriptions/ema)
- (EMBA) Executive MBA (http://bulletin.case.edu/course-descriptions/emb)
- (EMSE) Materials Science & Engineering (http://bulletin.case.edu/course-descriptions/emse)
- (ENGL) English (http://bulletin.case.edu/course-descriptions/engl)
- (ENGR) Engineering Science (http://bulletin.case.edu/course-descriptions/engr)
- (ENTP) Entrepreneurship (http://bulletin.case.edu/course-descriptions/entp)
- (EPOM) Pract Oriented Engr Mast Prog (http://bulletin.case.edu/course-descriptions/epom)
- (ESTD) Environmental Studies (http://bulletin.case.edu/course-descriptions/estd)
- (ETHS) Ethnic Studies (http://bulletin.case.edu/course-descriptions/eths)
- (EVHS) Environmental Health Studies (http://bulletin.case.edu/course-descriptions/evhs)
- (EXAM) Examination Master/Ph.D. (http://bulletin.case.edu/course-descriptions/exam)
- (FSAE) First Seminar Academic English (http://bulletin.case.edu/course-descriptions/fsa)
- (FSAS) First Seminar Academic English (http://bulletin.case.edu/course-descriptions/fsas)
- (FSCC) First Seminar Common Curric (http://bulletin.case.edu/course-descriptions/fsc)
- (FSCS) First Seminar Cont Semester (http://bulletin.case.edu/course-descriptions/fscs)
- (FSNA) First Seminar Natural World (http://bulletin.case.edu/course-descriptions/fsna)
- (FSSO) First Seminar Social World (http://bulletin.case.edu/course-descriptions/fss)
- (FSSY) First Seminar Symbolic World (http://bulletin.case.edu/course-descriptions/fssy)
- (FSTS) First Seminar Transfer Supplem (http://bulletin.case.edu/course-descriptions/fsts)
- (GENE) Genetics (http://bulletin.case.edu/course-descriptions/gene)
- (GERO) Gerontological Studies (http://bulletin.case.edu/course-descriptions/gero)
- (GMBA) Global MBA (http://bulletin.case.edu/course-descriptions/gmba)
- (GREK) Greek (http://bulletin.case.edu/course-descriptions/grek)
- (GRMN) German (http://bulletin.case.edu/course-descriptions/grmn)
- (HBRW) Hebrew (http://bulletin.case.edu/course-descriptions/hbrw)
- (HEWB) Health & Well-Being (http://bulletin.case.edu/course-descriptions/hewb)
- (HSMC) Health Systems Management (http://bulletin.case.edu/course-descriptions/hsmc)
- (HSTY) History (http://bulletin.case.edu/course-descriptions/hst)
- (HUMN) Humanities (http://bulletin.case.edu/course-descriptions/humn)
- (HWDP) Health Disease and Processes (http://bulletin.case.edu/course-descriptions/hwdp)
- (IBIS) Integrated Biological Sciences (http://bulletin.case.edu/course-descriptions/ibis)
- (IBMS) Integrated Biological Studies (http://bulletin.case.edu/course-descriptions/ibms)
- (IME) Inst for Integr of Mgmt & Engr (http://bulletin.case.edu/course-descriptions/ime)
- (INQUI) Inquiry (http://bulletin.case.edu/course-descriptions/inqu)
- (INTH) International Health (http://bulletin.case.edu/course-descriptions/int)
- (INTL) International Studies (http://bulletin.case.edu/course-descriptions/intl)
- (IPOD) Positive Organztnl Devel-India (http://bulletin.case.edu/course-descriptions/ipod)
- (ITAL) Italian (http://bulletin.case.edu/course-descriptions/ital)
- (JAPN) Japanese (http://bulletin.case.edu/course-descriptions/japn)
- (JDST) Judaic Studies (http://bulletin.case.edu/course-descriptions/jdst)
- (LATN) Latin (http://bulletin.case.edu/course-descriptions/latn)
- (LAWS) Law (http://bulletin.case.edu/course-descriptions/laws)
- (LDRS) Leadership (http://bulletin.case.edu/course-descriptions/ldr)
- (LHRP) Labor & Human Resource Policy (http://bulletin.case.edu/course-descriptions/lhrp)
- (LING) Linguistics (http://bulletin.case.edu/course-descriptions/ling)
- (MAHE) Maintenance of Health (http://bulletin.case.edu/course-descriptions/mahe)
- (MATH) Mathematics (http://bulletin.case.edu/course-descriptions/math)
- (MBAC) MBA Core (http://bulletin.case.edu/course-descriptions/mbac)
- (MBAP) MBA Part Time Cohort (http://bulletin.case.edu/course-descriptions/mbap)
- (MBIO) Molecular Biol & Microbiology (http://bulletin.case.edu/course-descriptions/mbio)
- (MGAB) Management Study Abroad (http://bulletin.case.edu/course-descriptions/mgab)
• (MGMT) Management (http://bulletin.case.edu/course-descriptions/mgmt)
• (MGRD) Schl of Med Graduate Education (http://bulletin.case.edu/course-descriptions/mgrd)
• (MIDS) Information Systems (http://bulletin.case.edu/course-descriptions/mids)
• (MKMR) Marketing (http://bulletin.case.edu/course-descriptions/mkmr)
• (MLIT) Modern Foreign Lit & Mod Lang (http://bulletin.case.edu/course-descriptions/mlit)
• (MLSC) Military Science (http://bulletin.case.edu/course-descriptions/mlsc)
• (MMED) Molecular Medicine (http://bulletin.case.edu/course-descriptions/mmed)
• (MPHP) Public Health (http://bulletin.case.edu/course-descriptions/mphp)
• (MPOD) Positive Organizational Devel (http://bulletin.case.edu/course-descriptions/mpod)
• (MSBA) MSM in Business Analytics (http://bulletin.case.edu/course-descriptions/msba)
• (MSFC) MSM in Finance-China (http://bulletin.case.edu/course-descriptions/msfc)
• (MSFI) MSM in Finance (http://bulletin.case.edu/course-descriptions/msfi)
• (MSOR) Master of Sci in Oper Research (http://bulletin.case.edu/course-descriptions/msor)
• (MSTP) Med Scientist Training Program (http://bulletin.case.edu/course-descriptions/mstp)
• (MUAP) Applied Music (http://bulletin.case.edu/course-descriptions/muap)
• (MUAR) Music, Audio Recording (http://bulletin.case.edu/course-descriptions/muar)
• (MUCP) Music, Composition (http://bulletin.case.edu/course-descriptions/mucp)
• (MUDE) Music, Dalcroze/Eurhythmics (http://bulletin.case.edu/course-descriptions/mude)
• (MUED) Music, Education (http://bulletin.case.edu/course-descriptions/mued)
• (MUEN) Music, Ensembles (http://bulletin.case.edu/course-descriptions/muen)
• (MUGN) Music, General/Misc (http://bulletin.case.edu/course-descriptions/mugn)
• (MUHI) Music History (http://bulletin.case.edu/course-descriptions/muhi)
• (MUPD) Music, Pedagogy (http://bulletin.case.edu/course-descriptions/mupd)
• (MUTH) Music Theory (http://bulletin.case.edu/course-descriptions/muth)
• (MVIR) Molecular Virology Train Prog (http://bulletin.case.edu/course-descriptions/mviri)
• (NEUR) Neurosciences (http://bulletin.case.edu/course-descriptions/neur)
• (NTRN) Nutrition (http://bulletin.case.edu/course-descriptions/ntrn)
• (NUAN) Nursing Anesthesiology (http://bulletin.case.edu/course-descriptions/nuan)
• (NUED) Nursing Education (http://bulletin.case.edu/course-descriptions/nued)
• (NUMN) Master of Nursing (http://bulletin.case.edu/course-descriptions/numn)
• (NUND) Doctor of Nursing (http://bulletin.case.edu/course-descriptions/nund)
• (NUNP) Nurse Practitioner (http://bulletin.case.edu/course-descriptions/nunp)
• (NURS) Nursing (http://bulletin.case.edu/course-descriptions/nurs)
• (OMFS) Oral & Maxillofacial Surgery (http://bulletin.case.edu/course-descriptions/omfs)
• (OPMT) Operations Management (http://bulletin.case.edu/course-descriptions/opmt)
• (OPRE) Operations Research (http://bulletin.case.edu/course-descriptions/opre)
• (ORBH) Organizational Behavior (http://bulletin.case.edu/course-descriptions/orbh)
• (ORIG) Origins (http://bulletin.case.edu/course-descriptions/orig)
• (PAST) Physician Assistant Studies (http://bulletin.case.edu/course-descriptions/past)
• (PATH) Pathology (http://bulletin.case.edu/course-descriptions/path)
• (PHED) Physical Education (http://bulletin.case.edu/course-descriptions/phed)
• (PHIL) Philosophy (http://bulletin.case.edu/course-descriptions/phil)
• (PHOL) Physiology & Biophysics (http://bulletin.case.edu/course-descriptions/phol)
• (PHRM) Pharmacology (http://bulletin.case.edu/course-descriptions/phrm)
• (PHYS) Physics (http://bulletin.case.edu/course-descriptions/phys)
• (PLCY) Management Policy (http://bulletin.case.edu/course-descriptions/plcy)
• (PORT) Portuguese (http://bulletin.case.edu/course-descriptions/port)
• (POSC) Political Science (http://bulletin.case.edu/course-descriptions/posc)
• (POHS) Population & Quant Health Sci (http://bulletin.case.edu/course-descriptions/pqhs)
• (PSCL) Psychology (http://bulletin.case.edu/course-descriptions/pscl)
• (QUMM) Quantitative Methods in Mgmt (http://bulletin.case.edu/course-descriptions/qumm)
• (REHE) Restoration of Health (http://bulletin.case.edu/course-descriptions/rehe)
• (REMA) Restoration & Mainten of Hlth (http://bulletin.case.edu/course-descriptions/rema)
• (RGME) Regenerative Med Entrprnrshp (http://bulletin.case.edu/course-descriptions/rgme)
Courses

- (RLGN) Religious Studies (http://bulletin.case.edu/course-descriptions/rlgn)
- (RUSN) Russian (http://bulletin.case.edu/course-descriptions/rusn)

S
- (SASS) School of Applied Soc Sciences (http://bulletin.case.edu/course-descriptions/sass)
- (SJUS) Social Justice (http://bulletin.case.edu/course-descriptions/sjus)
- (SOCI) Sociology (http://bulletin.case.edu/course-descriptions/soci)
- (SPAN) Spanish (http://bulletin.case.edu/course-descriptions/span)
- (STAT) Statistics (http://bulletin.case.edu/course-descriptions/stat)
- (SYBB) Systems Biology and Bioinform (http://bulletin.case.edu/course-descriptions/sybb)

T
- (THTR) Theater Arts (http://bulletin.case.edu/course-descriptions/thtr)

U
- (UCAP) SAGES Capstone Experience (http://bulletin.case.edu/course-descriptions/ucap)
- (UNIV) University Studies (http://bulletin.case.edu/course-descriptions/univ)
- (USNA) Think About The Natural World (http://bulletin.case.edu/course-descriptions/usna)
- (USSO) Think About The Social World (http://bulletin.case.edu/course-descriptions/usso)
- (USSY) Think About The Symbolic World (http://bulletin.case.edu/course-descriptions/ussy)

W
- (WASH) Washington Semester (http://bulletin.case.edu/course-descriptions/wash)
- (WGST) Women's & Gender Studies (http://bulletin.case.edu/course-descriptions/wgst)
- (WLIT) World Literature (http://bulletin.case.edu/course-descriptions/wlit)