

## College of Business (COB)

<b>MBA</b>		
MANA 5336	Section 900	Strategic Management
ACCT 5302	Section 900	Managerial Accounting
MANA 5360	Section 900	Leadership and Teams
Courses Fall 2020 Sem. 2:		
BLAW 5330	Section 900	Legal Environment of Business
INSY 5375	Section 900	Management of Information Technologies
FINA 5334	Section 900	Financial Institutions and Markets

<b>MS Information Systems</b>		
Courses Fall 2020 Sem. 1:		
BSTAT 5325	Section 900	Advanced Methods for Analytics
INSY 5336	Section 900	Python Programming
INSY 4339	Section 900	Principles of Business Data Mining

<b>MS Business Analytics</b>		
Courses Fall 2020 Sem. 1:		
BSTAT 5325	Section 900	Advanced Methods for Analytics
INSY 5336	Section 900	Python Programming
INSY 4339	Section 900	Principles of Business Data Mining

<b>MS Quantitative Finance</b>		
Courses Fall 2020 Sem. 1:		
Deficiency Course		
BSAT 5301	Section 900	Statistics
Foundation Courses		
ECON 5311	Section 900	Economic Analysis
FINA 5311	Section 900	Business Financial Management
Advanced Courses		
ECON 5313	Section 900	Decision & Strategy
FINA 5323	Section 900	Investments
FINA 5327	Section 900	Financial Derivatives
FINA 5350	Section 900	Mathematical Finance
ECON 5336	Section 900	Applied Business & Economics Data Analysis I

## College of Engineering (COE)

<b>Biomedical Engineering</b>		
BE5101	Section 900	Seminars in Bioengineering (required)
BE5300	Section 900	Special Topics in Bioengineering (biomaterials)
BE5326	Section 900	Tissue Ultrasound Optical Imaging (unique imaging modality)

<b>Electrical Engineering</b>		
EE 5307	Section 900	Linear Systems Engineering
EE 5308	Section 900	Pwr Sys Modeling And Analysis
EE 5310	Section 900	Digital VLSI Design
EE 5322	Section 900	Intelligent Control Systems
EE 5327	Section 900	System Id & Estimation
EE 5343	Section 900	Silicon Ic Fabrication Tech
EE 5344	Section 900	Intro to Mems and Devices
EE 5350	Section 900	Digital Signal Processing
EE 5353	Section 900	Neural Nets And Deep Learning
EE 5362	Section 900	Digital Communications
EE 6367	Section 900	Adv Wireless Communications

<b>Industrial, Manufacturing and Systems Engineering</b>		
IE 5301	Section 900	Intro to Operations Research
IE 5303	Section 900	Quality Systems
IE 5304	Section 900	Advanced Engr Economy
IE 5314	Section 900	Safety Engineering
IE 5317	Section 900	Intro to Prob and Stats
IE 5318	Section 900	Applied Regression Analysis
IE 5329	Section 900	Production & Inv Contrl Sys
IE 5351	Section 900	Intro to Systems Engineering
IE 5353	Section 900	Systems Architecture & Design
IE 6302	Section 900	Facilities Planning and Design
IE 6306	Section 900	Engineering Management II
IE 6318	Section 900	Data Mining & Analytics

<b>Mechanical and Aerospace Engineering</b>		
AE/ME 5311	Section 900	Structural Dynamics
AE/ME 5310	Section 900	Finite Element Methods
ME 5352	Section 900	Fundamentals in Electronic Packaging
AE/ME 5363	Section 900	Introduction to Rotorcraft Analysis
AE/ME 5313	Section 900	Fluid Dynamics
AE 5302/ ME 5390	Section 900	Advanced Flight Mechanics/ Special Topics in Mechanical Engineering
ME 5326	Section 900	Manufacturing Processes and Systems

AE 5368	Section 900	Flight Vehicle Synthesis and Systems Engineering
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<b>Materials Science and Engineering</b>		
MSE 5300	Section 900	Intro Materials Science & Engr
MSE 5321	Section 900	Phase Transformation Materials
MSE 5343	Section 900	Nanobiotechnology
MSE 5354	Section 900	Electronic Mater And Devices
MSE 5390	Section 900	Spec Topics MSE

<b>Civil Engineering</b>		
AREN 3341	Section 900	Structural Analysis
AREN 3347	Section 900	Reinforced Concrete Design
AREN 4348	Section 900	Structural Design in Steel
CE 3305	Section 900	Basic Fluid Mechanics
CE 3341	Section 900	Structural Analysis
CE 3342	Section 900	Water Resources Engineering
CE 3347	Section 900	Reinforced Concrete Design
CE 4300	Section 900	Advanced Topics In Civil Engr
CE 4303	Section 900	Construction Project Admin
CE 4307	Section 900	Construction Sustainability
CE 4307	Section 900	Construction Sustainability
CE 4308	Section 900	Temporary Structures
CE 4324	Section 900	Mechanics Of Materials II
CE 4325	Section 900	Fund of Finite Element Method
CE 4326	Section 900	GIS/Hydrologic & Hydraulic Mdl
CE 4332	Section 900	Construction Equip/Methods/Mgt
CE 4348	Section 900	Structural Design in Steel
CE 4350	Section 900	Introduction to Air Pollution
CE 4351	Section 900	Physical Unit Processes
CE 4355	Section 900	Water/Waste Trtment Facilities
CE 4358	Section 900	Open Conduit System
CE 4360	Section 900	Design Of Structural Masonry
CE 4361	Section 900	Adv Reinforced Concrete Design
CE 4365	Section 900	Structural Wood Design
CE 5300	Section 900	Topics in Civil Engineering
CE 5303	Section 900	Introduction to Finite Element
CE 5306	Section 900	Structural Steel Design
CE 5307	Section 900	Structural Timber Design
CE 5307	Section 900	Structural Timber Design
CE 5308	Section 900	Structural Masonry Design
CE 5311	Section 900	Advanced Steel Design I
CE 5312	Section 900	Advanced Concrete Design I
CE 5314	Section 900	Advanced Steel Design II

CE 5315	Section 900	Advanced Mechanics of Material
CE 5318	Section 900	Physical-Chemical Processes I
CE 5318	Section 900	Physical-Chemical Processes I
CE 5320	Section 900	Temporary Structures
CE 5321	Section 900	Engrg for Envir Scientists
CE 5326	Section 900	Water/Waste Trmt Facility Dsgn
CE 5327	Section 900	Constr Estimating & Scheduling
CE 5328	Section 900	Fundamentals of Air Pollution
CE 5339	Section 900	Statistics for Construction
CE 5340	Section 900	Constr Project Acquisition
CE 5342	Section 900	Construction Project Admin
CE 5344	Section 900	Construction Methods Field Ops
CE 5346	Section 900	Open Channel Flow
CE 5349	Section 900	Adv GIS/Hydo & Hydr Modeling
CE 5350	Section 900	Risk Management
CE 5355	Section 900	Construction Materials
CE 5357	Section 900	Hydrologic Techniques
CE 5370	Section 900	Experimental Soil Mechanics
CE 5377	Section 900	Construction Finance
CE 5384	Section 900	Concrete Bridge Design
CE 5387	Section 900	Construction Productivity
CE 6306	Section 900	Public Transit Planning & Ops
CE 6308	Section 900	Analytical Models in Transport
CM 4332	Section 900	Construction Field Operations
CM 5340	Section 900	Constr Project Acquisition
CM 5342	Section 900	Construction Project Admin
CM 5344	Section 900	Construction Methods Field Ops
CM 5350	Section 900	Risk Management
CM 5355	Section 900	Construction Materials
CM 5379	Section 900	Construction Cost Estimating
CM 5382	Section 900	Construction Sustainability
CM 5386	Section 900	Constr Planning & Scheduling
CM 5387	Section 900	Construction Productivity

<b>Computer Science &amp; Engineering</b>		
CSE 5311	Section 900	Algorithms
CSE 5306	Section 900	Distributed Systems
CSE 5324	Section 900	Software Engineering 1
CSE 5325	Section 900	Software Engineering 2
CSE 5360	Section 900	Artificial Intelligence
CSE 5322	Section 900	Design Patterns
CSE 5334	Section 900	Data Mining
CSE 5335	Section 900	Web DB & XML

CSE 5344	Section 900	Networks 1
CSE 5330	Section 900	Database 1
CSE 2315	Section 900	Discrete Structures
CSE 2320	Section 900	Algorithms
CSE 3315	Section 900	Theory of Computing
CSE 3320	Section 900	Operating Systems

## College of Architecture, Planning & Public Affairs (CAPPA)

<b>Planning</b>		
PLAN 5304	Section 900	Plan Implement, Zoning, & Reg
PLAN 5310	Section 900	Planning, Urban Dev & Structure
PLAN 5316	Section 900	Landuse Planning Law
PLAN 5318	Section 900	Planning Analysis I
PLAN 5333	Section 900	Graphics and Multimedia
PLAN 5335	Section 900	Professional Report Writing
PLAN 5346	Section 900	Qualitative Methods
PLAN 5352	Section 900	Environ. Assessment Policy & Practice
PLAN 5356	Section 900	Intro GIS
PLAN 5361	Section 900	Planning Internship
PLAN 5380	Section 900	Research Questions in Planning
PLAN 5391	Section 900	Conference Course
PLAN 5395	Section 900	Sustainable Communities
PLAN 5397	Section 900	Professional Report
PLAN 5698	Section 900	Planning Thesis
PLAN 6300	Section 900	Adv Urban Theory
PLAN 6310	Section 900	Planning, Urban Dev & Structure
PLAN 6346	Section 900	Adv Data Analysis
PLAN 6318	Section 900	Planning Analysis
PLAN 6347	Section 900	Qualitative Methods

<b>Public Administration and Public Policy</b>		
PAPP 5324	Section 900	Urban Public Finance
PAPP 5325	Section 900	Admin Law
PAPP 5329	Section 900	Public Financial Management
PAPP 5341	Section 900	Professional Report Writing
PAPP 5344	Section 900	Qualitative Methods
PAPP 5345	Section 900	Evaluation Research
PAPP 5350	Section 900	Intro Public Administration
PAPP 5360	Section 900	Public/Non-Profit Mgmnt Internship
PAPP 5392	Section 900	Topics in Urban Mgt: Project Management
PAPP 6320	Section 900	Advanced Org Theory
PAPP 6349	Section 900	Decision-Making

## College of Liberal Arts (COLA)

English		
ENGL 1301	Section 900	Rhetoric and Composition I
ENGL 1302	Section 900	Rhetoric and Composition II

History		
HIST 1301	Section 900	History of the United States to 1865
HIST 1302	Section 900	History of the United States, 1865 to Present

Political Science		
POLS 2311	Section 900	Government of the United States

## College of Science (COS)

<b>Astronomy</b>		
ASTR 1345	Section 900	Intoductory Astronomy I
ASTR 1346	Section 900	Intoductory Astronomy II

<b>Geology</b>		
GEOL 1301	Section 900	Earth Systems
GEOL 4330	Section 900	Understanding Geographic Information Systems
GEOL 4331	Section 900	Analysis of Spatial Data
GEOL 4334	Section 900	Geographic Data Analysis
GEOL 5320	Section 900	Understanding Geographic Information Systems
GEOL 5321	Section 900	Analysis of Spatial Data
GEOL 5324	Section 900	Geographic Data Analysis

<b>Math</b>		
Math 3330	Section 900	Linear Algebra
Math 1301	Section 900	Contemporary Mathematics
Math 1308	Section 900	Introduction to Statistics
Math 1401	Section 900	College Algebra (tentative)

<b>Physics</b>		
PHYS 1181	Section 900	Problems in Mechanics
PHYS 1182	Section 900	Problems in Electricity and Magnetism
PHYS 1188	Section 900	Spcial Problems in General Physics
PHYS 1300	Section 900	Introduction to Musical Acoustics
PHYS 1301	Section 900	Physics for Non Specialists
PHYS 1441	Section 900	General College Physics I
PHYS 1442	Section 900	General College Physics II
PHYS 1443	Section 900	General Technical Physics I
PHYS 1444	Section 900	General Technical PhysicsII
PHYS 2321	Section 900	Computational Physics
PHYS 3316	Section 900	Astrobiology I
PHYS 3360	Section 900	Physics of the Human Body

<b>Psychology</b>		
PSYC 3310	Section 900	Developmental Psychology
PSYC 4412	Section 900	Adv. Topics in Social Psychology
PSYC 4357	Section 900	Health Psychology
PSYC 5307	Section 900	Research Methods in Psychology



### **School of Social Work (SSW)**

SOCW 2302	Section 900	Life Span Dev and Human Behavior
SOCW 2361	Section 900	Introduction to Social Work
SOCW 3300	Section 900	Social Work Professionalism
SOCW 3301	Section 900	Theories of Human Behavior
SOCW 3303	Section 900	Social Welfare Policy and Services
SOCW 3307	Section 900	Diverse Populations
SOCW 3312	Section 900	Disability & Social Work
SOCW 3314	Section 900	The Latina Experience