Prescribed Upper Division Classes for BS in GIS

**CS 3333 - Data Structures** (3 semester hours)
Prerequisite: CS 1335 or CE/CS/TE 1337 or CS 3335 or equivalent programming experience.

**CS 3345 - Data Structures and Introduction to Algorithmic Analysis** (3 semester hours)
Prerequisites: CE/CS/TE 2305 and CE/CS/TE 2336. Pre- or corequisite: CS/SE 3341 or ENGR 3341. (Same as CE/SE/TE 3345)

CRIM 3307 - Immigration and Crime (3 semester hours)

CRIM 3319 - Comparative Justice Systems (3 semester hours)

CRIM 4323 - Communities and Crime (3 semester hours) Prerequisite: CRIM 3302.

CRIM 4336 - Introduction to Terrorism (3 semester hours)

ECON 3312 - Money and Banking (3 semester hours)

ECON 3315 - Economics of Sports (3 semester hours) Prerequisite: ECON 2302.

ECON 3330 Economics of Health (3 semester hours)

ECON 3337 - Economics of Poverty and Inequality (3 semester hours)
Prerequisite: ECON 2302.

ECON 3369 - Political Economy of Terrorism (3 semester hours)
Prerequisite: ECON 2302.

ECON 3381 - Economic History (3 semester hours)

ECON 4332 - Energy and Natural Resources Economics (3 semester hours)
Prerequisite: ECON 2302.

ECON 4333 - Environmental Economics (3 semester hours) Prerequisite: ECON 2302.

ECON 4336 - Environmental Economic Theory and Policy (3 semester hours)
Prerequisite: ECON 2302. (3-0)

ECON 4346 - Technology, Economy, and Society (3 semester hours).

ECON 4360 International Trade

ECON 3369 Political Economy of Terrorism
ECON 4362 Development Economics
ECON 4340 Labor Economics and Human Resources
ECON 4345 Industrial Organization
ECON 4348 Business and Technology (3 semester hours). Prerequisite: ECON 2302 or instructor consent required.

GEOG 3331 Urban Growth and Structure (3 semester hours)
GEOG 3357 Spatial Dimensions of Health and Disease (3 semester hours)
GEOG 3359 Human Migration and Mobility (3 semester hours)
GEOG 3372 Population and Development (3 semester hours)
GEOG 4396 Selected Topics in Geography

GISC 4317 Introductory Programming for Social & Geospatial Sciences (3 semester hours)
GISC 4324 Introduction to Remote Sensing (3 semester hours)
GISC 4326 Cartography and GeoVisualization (3 semester hours) Prerequisite: GISC 2301 or GEOG 3304.
GISC 4363 Internet Mapping and Information Processing (3 semester hours)
GISC 4384 Health and Environmental GIS (3 semester hours) Prerequisite: GISC 2301 or GEOG 3304.
GISC 4385 Advances in GIS (3 semester hours) Prerequisite: GISC 2301 or GEOG 3304.
GISC 4V96 Special Topics in Geospatial Information Science (1-3 semester credit hours)

IPEC 3349 World Resources and Development (3 semester hours).
IPEC 4301 Political Economy of Industrialized Countries
IPEC 4302 Political Economy of Developing Countries
PSCI 4329 Global Politics
PSCI 4356 International Political Economy
PSCI 4360 The Political Economy of Multinational Corporations
PSCI 3328 International Relations
PSCI 3350 Comparative Politics
PA 3306 Advanced Research and Writing for the Policy Sciences

PA 3333 - Human Resources Management (3 semester hours)

PA 4351 - Urban Management (3 semester hours)

PA 4355 - Nonprofit Organizations (3 semester hours)

PA 4370 - Leadership (3 semester hours)

PA 4350 Public Agencies, Management and Ethics
PA 4355 Management of Nonprofit Organizations
SOC 3333 - Religion in Society (3 semester hours)