

**DEPARTMENT OF GEOGRAPHY & ENVIRONMENTAL STUDIES
ACADEMIC COURSE RECORD**

**GEOGRAPHIC INFORMATION SCIENCE CERTIFICATE (G905)
GRADUATE LEVEL**

STUDENT NAME: _____

STUDENT ID #: _____

COURSE NUMBER AND TITLE	TAKEN AT NEIU	IN PROGRESS (P) NEED (N)	CREDIT HOURS	GRADE	COURSE SUBSTITUTIONS: Course #/ Title (w/ Chair's approval)	FOR COURSE SUBSTITUTIONS: WHERE TAKEN	ADVISOR'S INITIAL APPROVAL
REQUIRED COURSES							
GES 391 or GES 491: Introduction to GIS							
GES 392 or GES 492: Geospatial Analysis							
GES 393 or GES 493: GIS Modeling & Prgrmng							
GES 442: Geog Prob Quan Meas							
ELECTIVES (two of the following)							
GES 387 or GES 487: Interactive Cartography							
GES 390 or GES 490: Rem Sens & Dig Im Proc							
GES 416: GIS for Natural Systems Mngmt							
GES 417: Urban Information Systems							

DATE: _____

Total Hours Required: 18

SIGNATURE: _____

GIS Coordinator

Student completes form prior to graduation. The Department's GIS Coordinator must initial courses which complete the degree, and sign the form. No D's are allowed.