

New Course Proposal Template

Steps to the approval process:

1. Complete the applicable template(s) and email them to the departmental or program curriculum committee chair.
2. The curriculum chair emails the proposal to the curriculum committee, then to the department/program faculty for a vote and finally to the department/program chair.
3. The department/program chair emails the proposal to curriculum-approval@iup.edu; this email will also serve as an electronic signature.
4. Curriculum committee staff will log the proposal, forward it to the appropriate dean's office(s) for review within 14 days and post it on the X Drive for review by all IUP faculty and administrators. Following the dean's review the proposal goes to the UWUCC/UWGC and the Senate.
5. Questions? Email curriculum-approval@iup.edu.

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Proposing Depart/Unit:	Geography & Regional Planning	Phone:	7243572250

Template A

<p>Provides students with knowledge of the theoretical basis of Geographic Information Systems (GIS) and geospatial technologies and their application for the energy sectors. Covers the specifics of selected GIS and database software packages. Develops skills to conceptualize energy-related GIS applications, use GIS software packages, manipulate and query geographic data to solve problems, perform simple spatial analysis, and understand how to utilize GIS for energy-related analyses.</p>
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Template A

	<p>Understanding RDBMS structure, relational join and relate operations, database (attribute) queries.</p> <p><i>Processing Geospatial Data and Reporting by Administrative and Units (Using PADEP Data to Visualize and Analyze Production patterns) . Attribute Data Input and Management: Database management, relational database management systems (RDBMS). Data Exploration. Attribute Data Query, Spatial Data Query.</i></p> <p><i>Learning ArcGIS 10 continued: Understanding RDBMS structure, relational join and link operations, database (attribute) queries.</i></p> <p><i>Simple Site Identification Applications and Techniques (Identifying Potential Carbon Traps).</i></p> <p><i>Learning ArcGIS 10 continued: Database Operations (Attribute data classification and computation) and Spatial Data Query (Feature Selection by</i></p>
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Template A

B. How have you addressed this with other department(s) involved? What was the outcome of that attempt? (Attach documents as appropriate)