

New Course Proposal Template

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Course: See the Registrar's list of Unavailable course numbers at <http://www.iup.edu/WorkArea/linkit.aspx?linkIdentifier=129333>

Template A

<p><i>phrased in terms of student achievement, not instructional or content outcomes)</i></p> <p><i>If dual listed, indicate additional learning objectives for the higher level course</i></p>	<ol style="list-style-type: none">1. examine how shale gas deposits are formed by geological processes associated with organic decay, sedimentary basin development and geothermal heating.2. investigate conceptual models of ancient geologic environments and tectonic events to create a stratigraphical model of shale gas deposits3. evaluate and assess the prospecting potential of a regional natural gas play using geological and geophysical data4. synthesize the process of gas development from exploration to production and distribution5. evaluate socio-economic and political factors that impact natural gas energy markets and synthesize how they influence energy policy.
	<p style="text-align: center;">Brief Course Outline GEOS409 Geology of Shale Gas Field Workshop</p> <p>Part A: Shale Gas Geology An overview of shale, its formation, depth and distribution Stratigraphic framework for shale gas play Lab Project (2-labs): Mapping shale distribution, thermogenic and burial history</p>

Template A

	will serve as part of the requirements for a professional certificate program in Shale Gas Studies that we hope to propose in the near future.
How does it fit into the departmental curriculum? (Check all that apply)	<input type="checkbox"/> Major Requirement <input type="checkbox"/> Minor Requirement <input type="checkbox"/> Core Requirement <i>(Interdisciplinary core e.g. Business Education)</i> <input type="checkbox"/> Required Elective <input type="checkbox"/> Liberal Studies <input checked="" type="checkbox"/> Open Elective <input checked="" type="checkbox"/> Other - Controlled Elective

