CONE 4900 Independent Study Proposal

Please work with the faculty member supervising your independent study to prepare the proposal below. Provide sufficient detail so that the CONE Curriculum Committee can evaluate the relevance as an Engineering Topic Elective and determine if the planned effort justifies the number of proposed credits. This proposal must be submitted to the CCEE Advising Center (Town 382) and approved by the CONE Curriculum Committee before you are eligible to register for CONE 4900.

Deadline: Proposals will not be accepted after the 10th week of classes.

udent Information:				
Name:		Date Submitted:		
Email Address:			ID Number:	
Class Standing: First Year	Sophomore	Junior	Senior	
Advisor:				
reliminary Information:				
Faculty Supervisor:				
Semester of the Independent Stud	ly:			
Requested Number of Credits:				
Note: One (1) credit corre semester. <i>Total credits req</i>	1	· · · · · · · · · · · · · · · · · · ·	1	
Will you work in a lab? Yes	No			
If yes, have you completed the ne	cessary safety train	ing? Yes	No	

Description of Activities:

1. Justification: Briefly state the topic of the independent study and explain your motivation for proposing it.

Example: In my future career I will be working with a contractor that helps develop Transportation Management Plans (TMPs). Although there are courses in transportation engineering, there is not a class that provides insights about contractors' and consultants' roles in developing TMPs. By completing this independent study, I will gain knowledge about TMPs and the roles of the various parties in their development.

2. Prior Experience: Explain any prior study or experience that has prepared you for the independent study you are proposing.

Example: I have learned about project management principles through my CONE classes and have taken CE 3550 on principles of transportation engineering. I also have had an internship with a contractor within their transportation group. These experiences can be utilized by this independent study opportunity to provide valuable experience for my professional carer.

3. Learning Outcomes: List the learning outcomes for the proposed independent study. In other words, explain what you will be able to do after the study is complete. Use words such as explain, compute, derive, design, and evaluate. Avoid terms that are difficult to quantify, such as understand, learn, and know. Try to include terms from higher levels of Bloom's Revised Taxonomy.

Example: (1) Develop survey/interview questions in regards to TMPs; (2) Interview contractors and summarize findings; (3) Capture common or unique practices among contractors; (4) Analyze and determine best practices for TMPs; (5) Incorporate findings into a draft conference paper to be presented at the Transportation Research Board.

4. Approach: List the specific activities planned for the semester, including the steps, skills, and research required for the study. Include an estimate of the time required for each activity and be sure that the total number of hours corresponds to the number of credits requested. In the task/hours breakdown, no one task should have more than 16-20 hours. If some research is being done for credit and some for pay, please explain the breakdown for each.

Note: Blank table provided on last page.

Example:

Activity/Task	Hours
Learn about TMPs in general	16
Meet with my faculty supervisor weekly throughout the semester	12
?	6
Construct a CFD model of the flow in OpenFOAM	16
Simulate different designs	16
Evaluate the results	16
Write a report that demonstrates that I have achieved the learning outcomes	10

faculty supervisor during the term (v project's deliverables (written repor	ting achievement: Describe how you will interact with your (weekly meetings, email summaries, etc.) and identify the ort, presentation, draft of a journal, article, etc.) to be produced iverable should document your achievement of the outcomes			
meeting, I will provide a progress re during the previous week and what i	culty supervisor weekly through the semester. Before each is report via email that will outline what I have accomplished nat my goals are for the next week. The deliverable for this that highlights my findings and will be submitted to the annual conference.			
	grade (A-F) upon completion of the Independent Study. regarding grading should be held as a part of the contract			
Discussion with faculty supervisor r				
Discussion with faculty supervisor redevelopment.				
Discussion with faculty supervisor redevelopment. Approval Signatures: Student:	regarding grading should be held as a part of the contract Date:			
Discussion with faculty supervisor redevelopment. Approval Signatures:	Date:			
Discussion with faculty supervisor redevelopment. Approval Signatures: Student: Faculty Supervisor: Advisor:	Date:			
Discussion with faculty supervisor redevelopment. Approval Signatures: Student: Faculty Supervisor: Advisor:	Date: Date: Date:			

Activity/Task	Hours