

ICS 499 – 1 Credit – Research on Computer Science Education

1	Review and practice “How to Mentor”, Discuss review of literature on “Computer Science Education”
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3	Introduced to ICS 111 and ICS 141 class as a resource
4	In person mentoring sessions for ICS 111 and ICS 141 for one hour per week until the 14 th week of semester. Mentoring blog for ICS111 and ICS 141.
5	Compile tip for learning ICS 111 and ICS 141
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9	Talk preparation
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11	15 minute talks at community colleges and high schools on educational experience in information and computer sciences. At least twice before the semester ends.
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13	In person mentoring sessions end this week.
14	Online mentoring blog ends this week although students in classes may continue to use the blog. 20 minute presentation in ICS 111 or ICS 141 on “Research in Computer Science Education and Educational Tips.” Presentation to be posted to class website and may be used in future classes.
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Initial Project

1. Website containing current online educational resources available to teach computer science subjects.
2. New directions to teaching computer sciences – Educational theories and practice.
3. Defining the core competencies required of computer science students at graduation. Necessary competencies when students enter the program. Competencies acquired during the program. Competency assessment methods.