

Student Learning Outcomes Assessment Plan

Department of Computer Science University of West Florida

The Computer Science Academic Learning Compact outlines the learning outcomes for our students organized in five main domains: content, critical thinking, communication, integrity/values, and project management. See the CS ALC document at <http://www.uwf.edu/cuti/ALCS.htm> for complete details. Below we outline our assessment plan for a subset of those learning outcomes. We chose to focus on learning outcomes in two domains, specifically project management, in alignment with the major focus of the UWF Quality Enhancement Plan (QEP), as well as critical thinking, because it encompasses the identification and application of fundamental computer science knowledge and skills. Those learning outcomes are specified below. In the second phase of assessment, we plan to incorporate the other ALC domains.

Project Management (PM)

1. Develop and employ effective management skills to enable project planning, communication, and delivery
2. Work as part of a team in the development of software systems

Critical Thinking (CT)

1. Critically analyze and apply a range of computer science concepts, principles, and practices in the context of solving problems across a range of problem domains
2. Demonstrate proficiency in software lifecycle principles, using a range of problem solving, programming, and software engineering skills
3. Develop applications based upon the computer science body of knowledge

The following table specifies the measures used to address each learning outcome, and how information from each assessment measure will be used. We included one direct measure of assessment and one indirect measure to assess the learning outcomes.

Assessment Measure	PM Outcomes Addressed	CT Outcomes Addressed	Use of Information
In several upper-level courses (CIS4327 Systems Project, CEN4516 Networks, and COP 4601 Software Systems), students will work on assignments that	PM-1 PM-2	CT-1 CT-2 CT-3	Each semester, the course instructors complete the Assessment Worksheet. Annually, the course coordinators report data to the department at a

<p>meet departmental standards and integrate what they have learned. Students will work on assignments collaboratively, and report the results of their work through written reports or presentations. The instructors use explicit criteria to evaluate student work.</p>			<p>departmental curriculum meeting. The department takes any appropriate actions to improve student learning outcomes or resolve problems. The department reports on meeting outcomes to dean and accreditation committees. All data is reviewed as part of the program review every five years, starting with the one in 2005-06.</p>
<p>Annual surveys are distributed to all students to get their feedback on the program, courses, and how well they are meeting the program outcomes.</p>	<p>PM-1 PM-2</p>	<p>CT-1 CT-2 CT-3</p>	<p>Annually, the undergraduate advisor reports survey data at a departmental curriculum meeting. The department takes any appropriate actions to improve student learning outcomes or update survey. The department reports on meeting outcomes to dean and accreditation committees. All data are reviewed as part of the program review every five years, starting with the one in 2005-06.</p>