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Josephine Mendoza TSSA Winter 2009

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TSSA One-Page REPORT

Name, Department, and Email Address:

JOSEPHINE MENDOZA, Computer Science & Engineering,
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Name and Date of Conference Attended:

SIGCSE 2009 -40th ACM Technical Symposium on Computer Science Education,
March 4-7, 2009

Teaching Skill(s) Studied:

Studio-based learning (SBL) in computing education; active and group learning

Impact on Current Teaching (How was this info applied)?

Problematic topics in CSE 572 – Database Systems - that can be better taught using studio-based learning (SBL) were identified: Developing Conceptual Model, Normalization Process, and Project Presentation.

Before this workshop, the type of feedback is between TEAM and INSTRUCTOR only. SBL suggests that intra-team feedback/critique, inter-team feedback/critique as well as instructor feedback/critique be done. A specific SBL technique suggested : OREGON – style critique be used for each phase of the database design project (Conceptual Design, Logical Design, and Implementation). The OREGON –style critique process was implemented in the database project component of the course. I posted on the classroom’s walls each team’s database design using wide format printing; asked the student’s to go over other teams’ designs and gave them colored stickies to write their comments/critique -- green for good; blue for needs improvement; students then collect the stickies (other teams’ feedback), organize the feedback and analyze them. Each team will post in the Discussion Board of Blackboard Classroom Management System the most helpful feedback. Each team revises the design and I post again the revised design together with the original design so other teams can see how the feedback was used to improve on the design.

Date Submitted: February 20, 2009