

Building Student Teams

ABSTRACT

Engineering students regularly work in teams. To improve the quality of the student teaming experience and the technical merit of student team deliverables, an instructor can select from a variety of team-creating, team-training, and team-assessment methods in current use. This workshop acquaints participants with some fundamental issues and methods in student team building, applicable to a variety of teaming scenarios. The goal of the workshop is to provide participants with *ideas they can use* to improve the teaming aspects of their courses. The emphasis is on structuring a team experience that the instructor can implement comfortably and that students can come to value.

SCHEDULE

20 min	9:00-9:20	Welcome and introductions. Workshop objectives.
20 min	9:20-9:40	Issues and Methods: Challenges in student team building.
30 min	9:40-10:10	Exercise: Teaming ground rules.
10 min	10:10-10:20	Teams report out. Summarize.
20 min	10:20-10:40	Break
20 min	10:40-11:00	Issues and Methods: Assigning students to teams.
30 min	11:00-11:30	Exercise: Using peer ratings.
30 min	11:30-12:00	Issues and Methods: Student writing and presenting in teams.

BIOGRAPHY

Richard Layton received his Ph.D. from the University of Washington in 1995 and is currently an Assistant Professor of Mechanical Engineering at Rose-Hulman Institute of Technology. He is a registered Professional Engineer, chair of the Modeling and Identification Committee of the Dynamic Systems and Control Division of ASME, and an active member of the Educational Research and Methods Division of ASEE. He is the author of *Principles of Analytical System Dynamics* (Springer 1998), a monograph treating the modeling and simulation of discrete engineering systems using a multidisciplinary, differential-algebraic form of Lagrange's equation. Prior to his academic career, Dr. Layton worked for twelve years in consulting engineering, culminating as a group head and a project manager. His interest in improving both the quality of the student teaming experience and the technical merit of student team deliverables is based on this background in project management.