

# TABLE OF CONTENTS FOR CLASS ACTIVITIES

	Page
<b>Wednesday, Aug 24</b>	
Activity 1. Introduction to UMn Model for Introductory Courses, TA duties	1
Activity 2. Light Patterns	3
<b>Thursday, Aug 25</b>	
Activity 3. Delta Design (with Karl Smith)	15
Activity 4. Rationale for UMn Model	57
Activity 5. FCI and Alternative Conceptions	59
<b>Friday, Aug 26</b>	
Activity 6. Problem Solving: Cowboy Bob Problem	61
Activity 7. Problem Solving: Expert vs Novice	63
Activity 8: Designing a Problem-solving Framework for Your Students	69
Activity 9: Designing an Answer Sheet for Your Students	75
<b>Saturday, Aug 27</b>	
Activity 10. Teaching Lab Sessions at UMn	79
Activity 11. Preparation for Peer teaching	85
<b>Monday, Aug 29</b>	
Activity 12: Teaching Discussion Sessions at UMn	89
<b>Wednesday, Aug 31</b>	
Activity 13: Revising an Inappropriate Group Practice Problem	93
<b>Thursday, Sept 1</b>	
Activity 14: Evaluating Sample Laboratory Report from Laboratory Manual	101
Activity 15: How to Grade a Student Laboratory Report	113
Activity 16a. Classroom Climate and Cheating	137
16b. Case Studies: Diversity and Gender Issues	139
<b>Homework</b>	
Homework #1. Analyzing Students' Alternative Conceptions	155
Homework #3. Solving Problems Using Your Problem Solving Framework	177
Homework #6. Initial Evaluation of Example Student Laboratory Reports	181

