Use of Instructional Technologies to Enhance Pedagogy

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Instructional Strategy

- Case Studies

- Journal Writing

- Discussion Boards on the Web.

Facilitating Higher Order Thinking

- Case Study Analysis

- From Summary to Analysis, Evaluation, Application

- Posting Outstanding Examples on Class Website

  - To explore different possibilities

- Benchmark – Outstanding Performance, Not "Average" performance.

  - Motivation is not about the grade.

  - Focus on the process, not the outcome (grade).

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Case Studies

- **First Case Study**
  - 80% Summary, 20% Analysis, Evaluation, Application
  - Best Practice – 10% Summary (1 sentence). 90% Evaluation, Analysis, Application
- **Third Case Study**
  - 40% Summary; 60% Application, Analysis, Evaluation
  - From "Playing it Safe" to "Taking a Risk"
  - Marked improvement.

Outstanding Examples

- **<u>Here is an outstanding essay on Case 1 - Notice that only 1 sentence is used to summarize the case itself.</u>**
- **<u>Organized:</u>**
- **<u>Perspectives of Key Characters</u>**
- **<u>Suggested Solutions</u>**
- **<u>1 Student Used the Rubric to organize her paper.</u>**
  - **<u>A "positive outlier," exceptionally good.</u>**

Assessment Techniques

- Exams

- Case Study Write-Ups

- Case Study Rubric

- Oral Presentations

- Journals – Did not grade.

Journal Entry

- Student Impressions / Instructor Evaluation
- March 25
- how am I supposed to use solver (what is that anyways?). I definitely spent more than 2 hours (should not be) doing the homework because I did not understand how to use excel to do those forecasting methods.

Exam Question – Multiple Choice

- Scheduling in the OR is similar to restaurant scheduling in all of the following ways, EXCEPT:

- A) Best customers get first choice of tables,

- B) etc.

- Question goes beyond remembering (Stage 1) to comparing, contrasting, analyzing

Technology

- Blackboard – Discussion Groups

- You-Tube Videos –Students like these.

  - Showed people in the field,

  - CEOs testifying under oath

- Took digital photographs of all my students.

Importance of Student Photos

- Learned everyone's name quickly

- Make personal connection

- Removes anonymity (especially in a large class)

- Sign-In Sheet Included Pictures of All students

  - They learned each other's name

- Kept confidential,

- Feedback: "Friendly and accessible faculty"

Questions?