



STEM WORKSHOP

Inclusive Teaching Methods

Andragogical Approaches

**Active Learning: Results of Engaging Approaches
in the Health Sciences**

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PURPOSES

- Actively engaging in own learning
- Taking responsibility for critical thinking & creative problem solving
- Working collaboratively in teams
- Communication



HS 105~ SURVEY OF COMMON DISEASE

- FA 2008:
- Original course requirements were as follows:
- 4 Unit Examinations
- Comprehensive Final
- 2 written papers



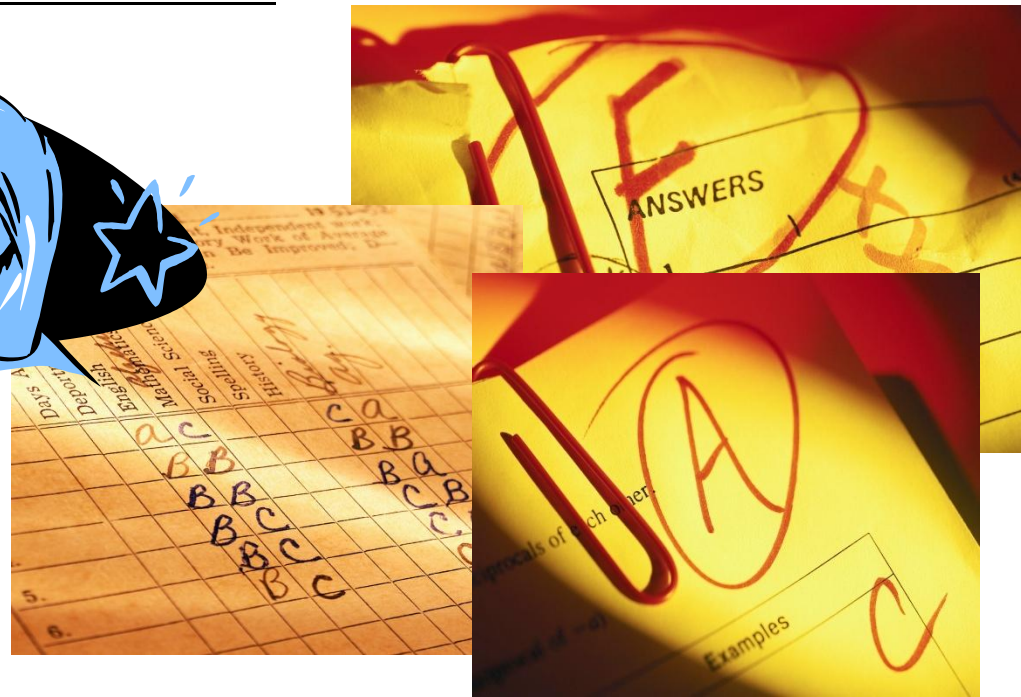
HS 105~ SURVEY OF COMMON DISEASE

- Course based on the following assumptions:
- 1) basic anatomy & physiology exposure in HS
- 2) basic study & test-taking skills
- 3) basic writing ability



COURSE GRADING SCALE

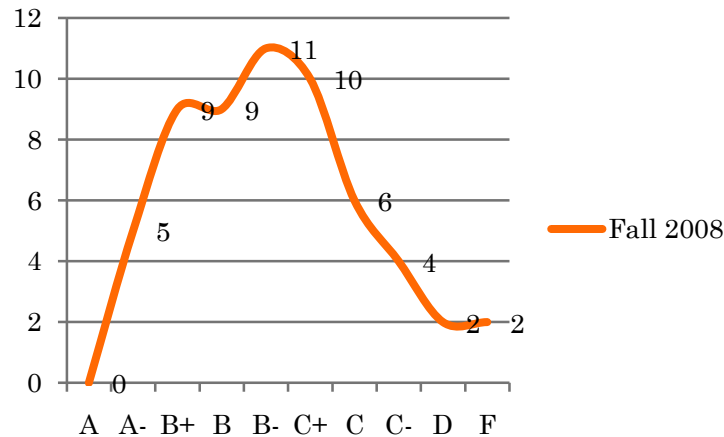
- Total point value places participants into grading categories listed below: Grades based on actual achievement are **NOT rounded**:
- A 94-100%
- A- 93-92%
- B+ 91-89%
- B 88-86%
- B- 85-83%
- C+ 82-81%
- C 80-75%
- C- 74-70%
- D 65-70%
- F 64% and below



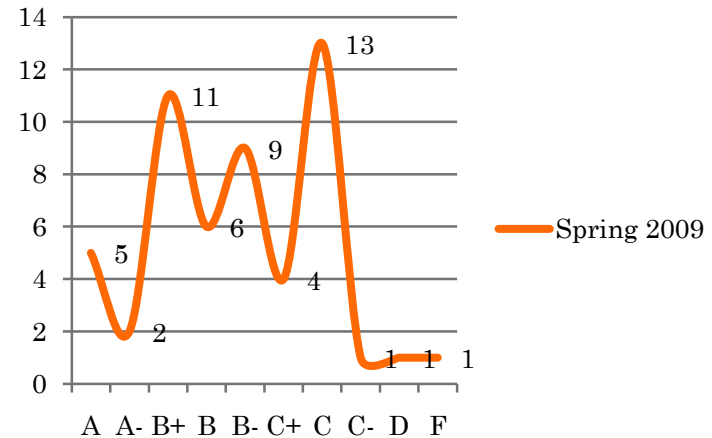
HS 105~ SURVEY OF COMMON DISEASE

- Performance Outcomes:
- FA 2008 & SP 2009
- Final Course Grades

Fall 2008



Spring 2009



HOW ADULTS LEARN

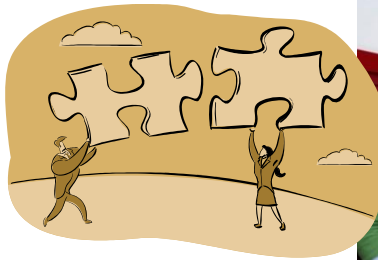
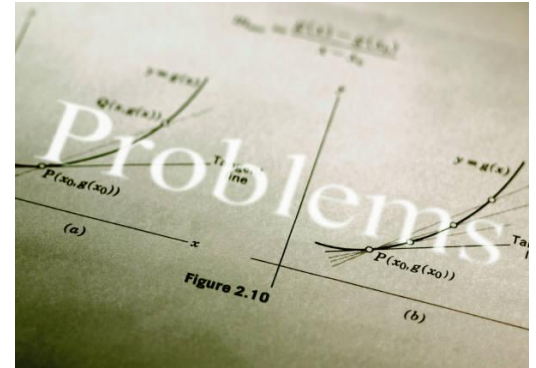
RETENTION RATES FROM
TEACHING TECHNIQUES



RETENTION IS BEST WHEN THE LEARNER IS INVOLVED.
- EDWARD SCANNELL

HS 105~ SURVEY OF COMMON DISEASE

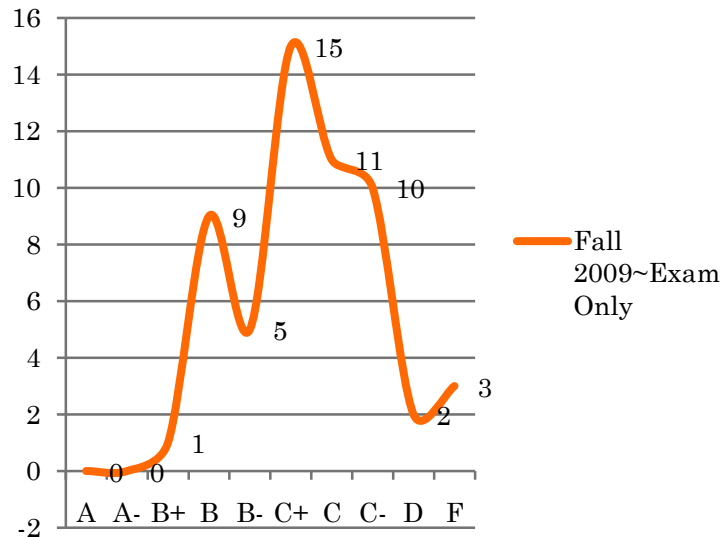
- Andragogical modifications made in learning experiences, actively engaging students in course content & with each other (SU 2009)
- Skill performance demonstrations
- Collaborative Group Work (CWG)
- Problem~based learning (PBL)
- Changes in exam procedures~ “challenge” process



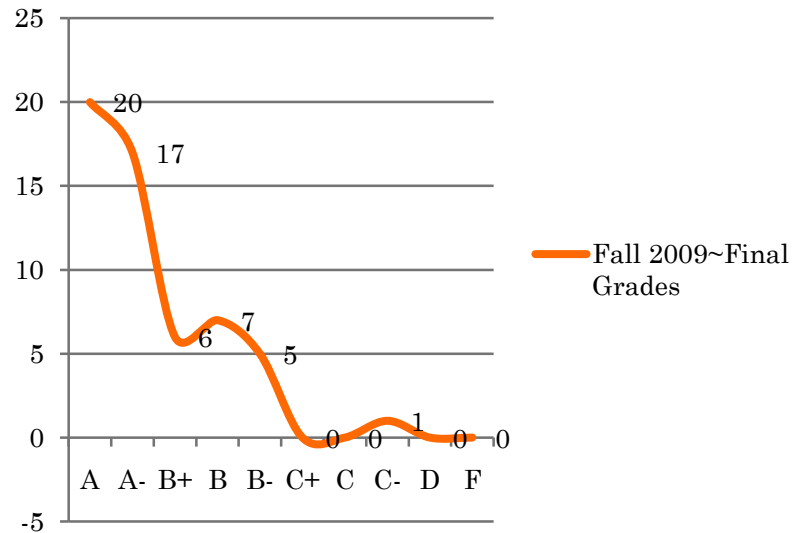
HS 105~ FA 2009 RESULTS

- Performance Outcomes:
- Mean ~ Exam & Final Course Scores Fall, 2009

Fall 2009~Exam Only



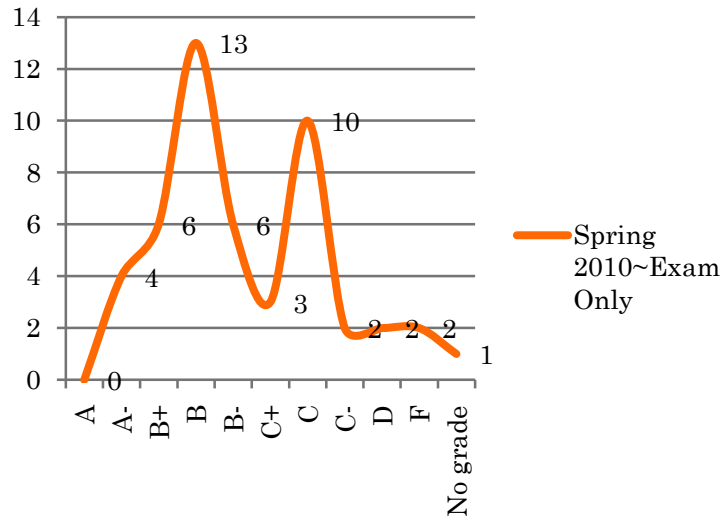
Fall 2009~Final Grades



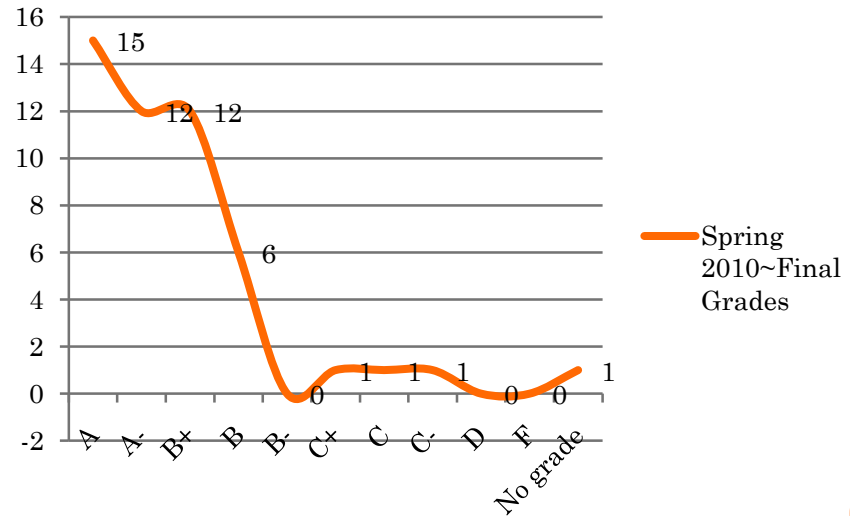
HS 105~ SP 10 RESULTS

- Performance Outcomes
- Mean ~ Exam & Final Course Scores Spring, 2010

Spring 2010~Exam Only



Spring 2010~Final Grades



HS~105 SURVEY OF COMMON DISEASE

- Considerations:
- How can we assist learners in test taking preparation for success?
- What other inclusive excellence activities can be included for helping learners understand the unique needs of the Health Care Professions?
- How else can reflective practice be incorporated and evaluated?





**THANK YOU FOR YOUR
INVOLVEMENT, CONSIDERATION
& CARE FOR STUDENTS!!**

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