



Varieties of Online Classrooms

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Five Scenarios for the Online Classroom

The following slides examines five
different scenarios for online
classroom organization...

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The Scenarios

- Low-Tech Traditional Classroom
- Technology-Supported Classroom
- Web-Aware Hybrid Classroom
- Web-Supported Classroom
- Web-Based Online Classroom

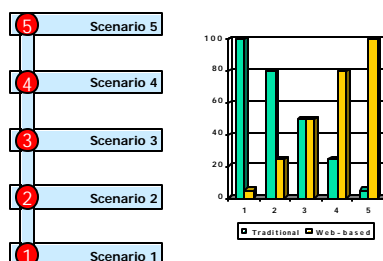
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Scenario Overview



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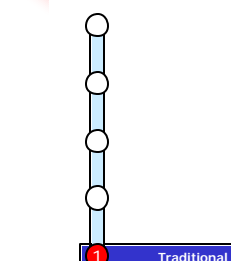
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Scenario 1



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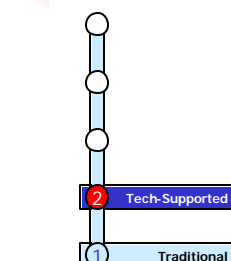
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- Low-Tech Traditional Classroom
 - Traditional Lectures, Discussion Groups, Hard Copy Handouts, etc.
- Technology:
 - Computer in Faculty Office
 - Overhead Projector & TV/VCR



Scenario 2



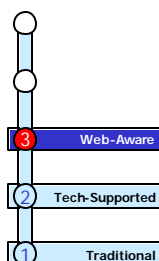
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- Technology-Supported Classroom
 - Computer-based Presentations & Simulations
 - Email Communication
 - Syllabus on Web Site
- Technology:
 - Computer & Projection System in the Classroom

Scenario 3



Hybrid, Web-Aware Classroom

- Face-to-Face Lectures & Discussion Groups
- Computer-based Presentations
- Email, Message Boards, Web Site for Posting Course Content
- Computer-generated Tests (taken in class)

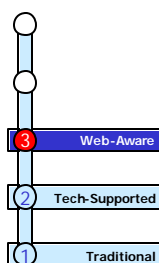
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Scenario 3 (Cont'd)



 Technologies:

- Email & Web Browser Integral to the Course
- Some Course Materials exported to HTML and Posted to a Web Site
- Web Technologies become an Essential Part of the Course

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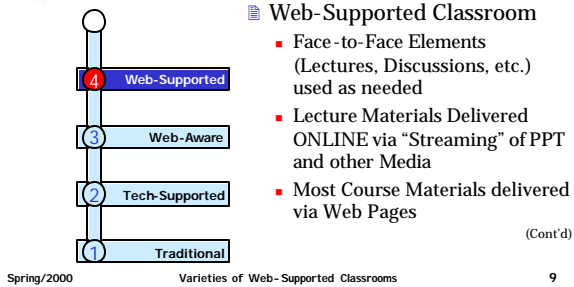
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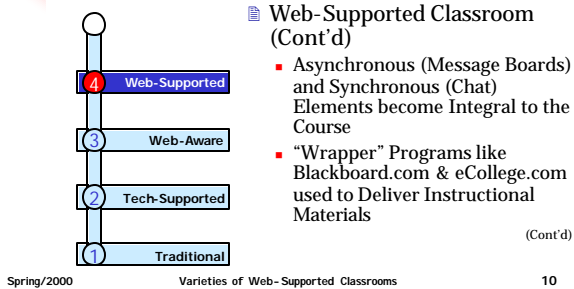


Scenario 4



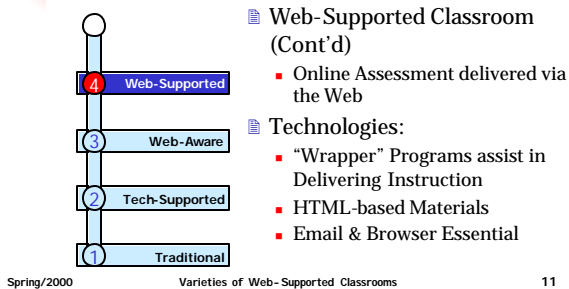


Scenario 4 (Cont'd)



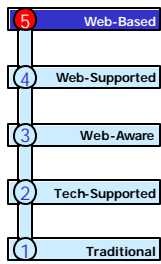


Scenario 4 (Cont'd)





Scenario 5



Web-Based Online Classroom

- Course Instruction delivered via the Web with minimal Face-to-Face Contact
- Online, Course Management Environment Essential
- Faculty Support Required for Successful Implementation
- Anytime, Anywhere Instruction

(Cont'd)

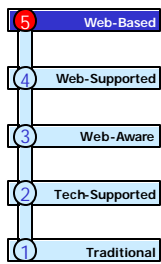
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Scenario 5



Technologies:

- Online Delivery System
- Online Communications, Testing, Materials Delivery, etc.
- Classroom Presentations delivered via both "static" (PPT) and "dynamic" (streaming) methodologies
- New Teaching/Learning Paradigms

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Conclusions

What are the advantages & disadvantages of using web-based technologies in the classroom?

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Advantages

Web-based Courses can be delivered:

- Anywhere — locally or from a distance
- Anytime — each student can enter the instructional setting as their schedules permit

Adapts to the Students schedule, especially relevant to the “re-entry” student...

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Disadvantages

Impact upon the Faculty:

- Requires more time to formulate a “good” class, especially for the first time
- Monitoring email, discussion threads, etc. require constant vigilance

Impact upon the Student:

- Interacts with personality styles
- Lacks the personalization of the classroom

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Some Teacher Characteristics

- 📖 Structured vs. Unstructured Approach
- 📖 Constructivist vs. “By the Book” Approach
- 📖 Interactive vs. Lecture Modes of Teaching
- 📖 Textbook-based vs. Discovery-based
- 📖 Individual vs. Group Orientation

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Online Delivery Concepts



Some Definitions and concepts
related to the use of collaboration,
especially collaboration via the web,
in the classroom.



Question 1



Why Collaborate?


- Group collaboration is the process by which two or more individuals address a common problem.
- The goal of the collaborative effort is to produce some product (document, report, work of art, etc.)
- The approach requires that the total task be broken up into subtasks, each of which are assigned to members of the collaboration group

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Question 2 (Cont'd)



What options do I have to involve students in collaboration efforts?


- Synchronous Collaboration —
 - "Virtual" collaboration groups can meet for "real-time" exchange of information and ideas through such mechanisms as videoconferencing, chat, and software like NetMeeting & CU-See Me
 - The scheduling of these interactive sessions require coordination and careful execution
 - Key Element: This is an example of any place, in-time learning — learning may take place outside the classroom but at a specified time

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Question 2



What options do I have to involve students in collaboration efforts?

- Asynchronous Collaboration —
 - Using internet technologies, like email and/or web browsing, collaboration may take place independently by each member of the group
 - The results shared and consolidated into the final report or project
 - Key Element: This is an example of any place, any time learning — learning takes place outside the scheduled class period and/or classroom

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WebTop Publishing



Web Publishing —

- By using web page editors, such as Microsoft FrontPage 98/2000, Word 97/98/2000, etc., students can create web pages summarizing their research efforts & findings
- The results can be developed into this web page through either face-to-face or "virtual" meetings
- Key Element: This is an example of a versatile method of presentation (in multimedia format) of a wide range of information

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