

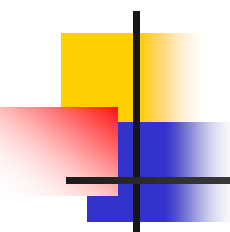


Effective Teaching Techniques
by
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Effective Teaching Techniques

- What is the most effective teaching technique ?



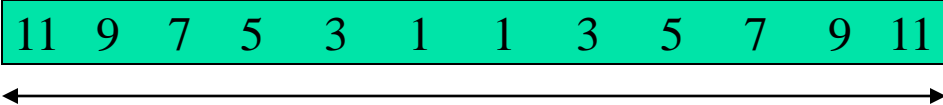
Student Preferences (Learning)/Faculty Preferences (Teaching)

- Students will always learn less than what we hope.
- How much students learn depends upon:
 - *Their abilities,
 - *Background, and
 - *Match between their learning style and the teaching style.
- We can not change students' abilities, background, or their learning style.
- Thus, faculty only can work with teaching style.

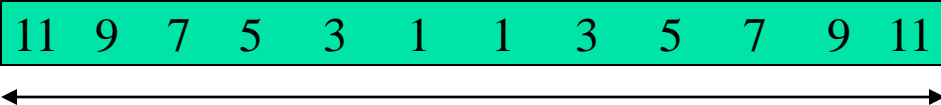
Learning Style

Felder and Silverman's model

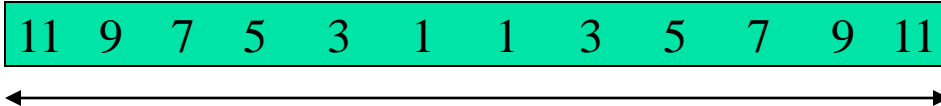
■ Input

Visual  Verbal


■ Processing

Active  Reflective

■ Understanding

Sequential  Global

■ Perception

Sensory  Intuitive



Teaching Style

- **Presentation**

Visual ←————→ Verbal

- **Student Participation**

Active ←————→ Passive

- **Perspective**

Sequential ←————→ Global

- **Content**

Concrete ←————→ Abstract



Learning Style/Teaching Style

Learning Style

Teaching Style

Input

Visual
Verbal

Visual
Verbal

Presentation

Processing

active
Reflective

active
Passive

Student
Participation



Potential Impact of Teaching & Learning Mismatches

- Students do not comprehend material
- Faculty are disappointed with poor student performance and unresponsiveness.
- Society potentially loses future professionals.



Teaching Style

- Lower Division Courses
 - * Basic principals
 - * Students with limited learning experience
- Upper Division Courses
 - * Advanced
 - * Students with good learning experience



THE END