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Innovation in Didactic Teaching for Predoctoral Dental Education

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VCU Health[™]
VCU School of Dentistry

Innovation in didactic teaching for pre-doctoral dental education

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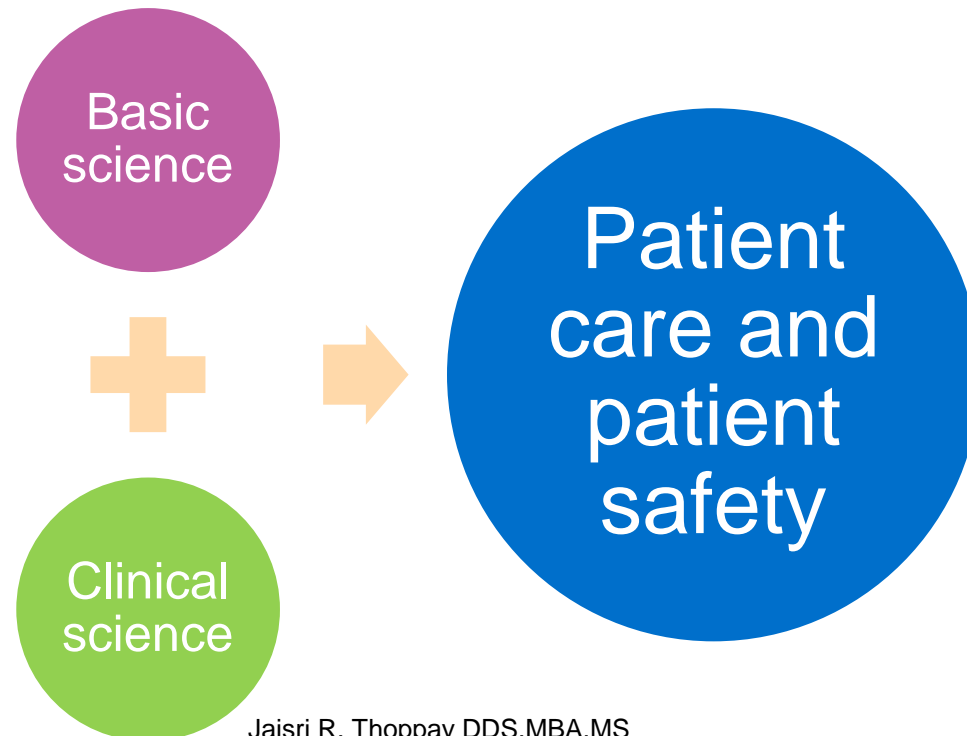


Objectives for this innovation

- To improve the educational delivery method for clinical subjects
- To increase students engagement, minimize distraction in a large classroom
- To improve active learning beyond the didactic classroom setting.

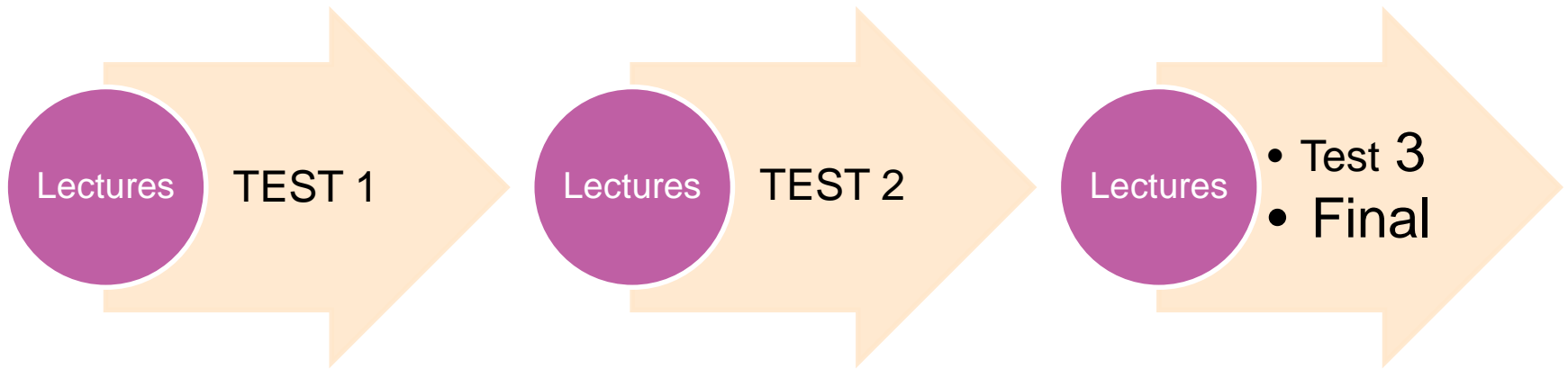
Overview of this course focus

1. Bridges basic sciences to clinical sciences
2. Discusses all organ systems, population based diseases, emergencies and its impact on oral health care provision
3. Very clinical oriented



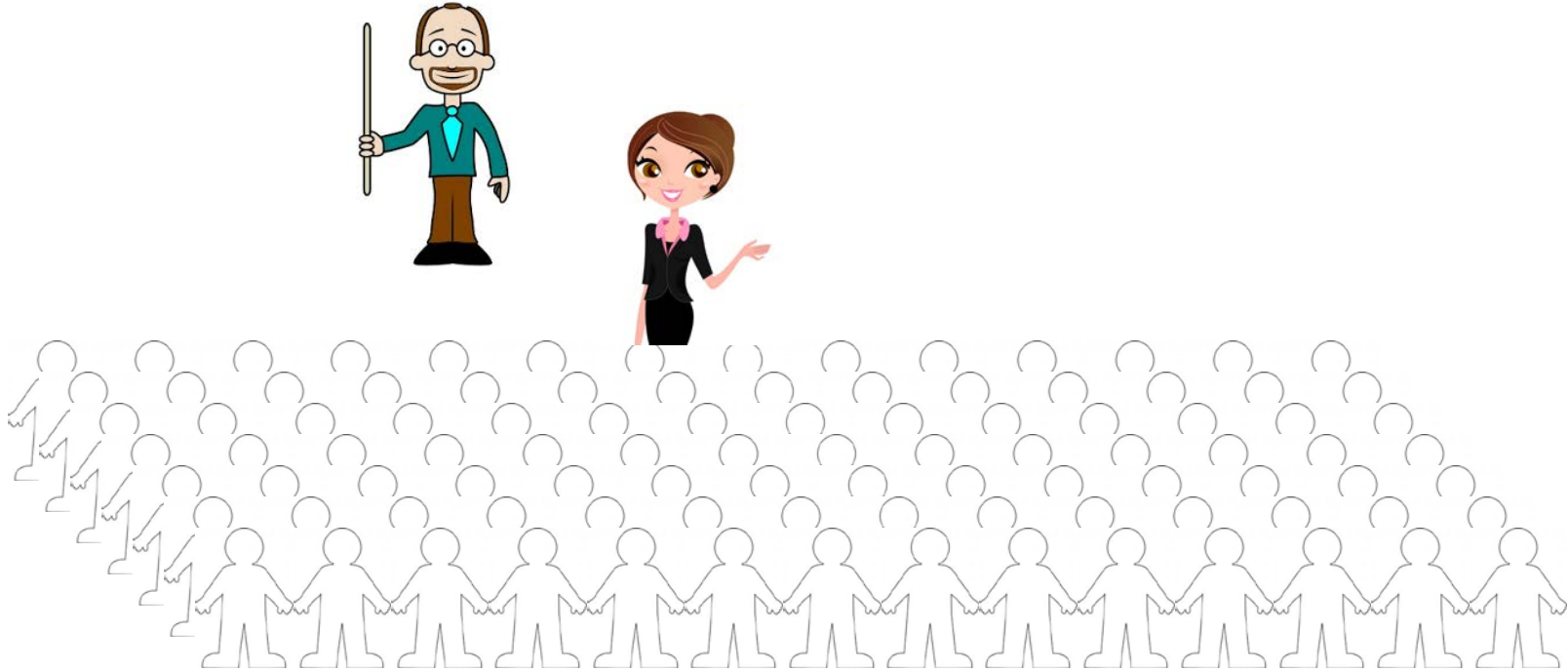
SOD –ORSG Med complex course

Traditional format didactic course format



FINAL GRADE
A [90and above]
B 80-89
C 70-79 and F 70 and below

Traditional Didactic classroom



SOD –ORSG Med complex course



Resources and tools applied

Resources:

Educational technology support from VCU School of Medicine

I Teach in Medical Education [Lunch and learn and Peer support/ IPE]

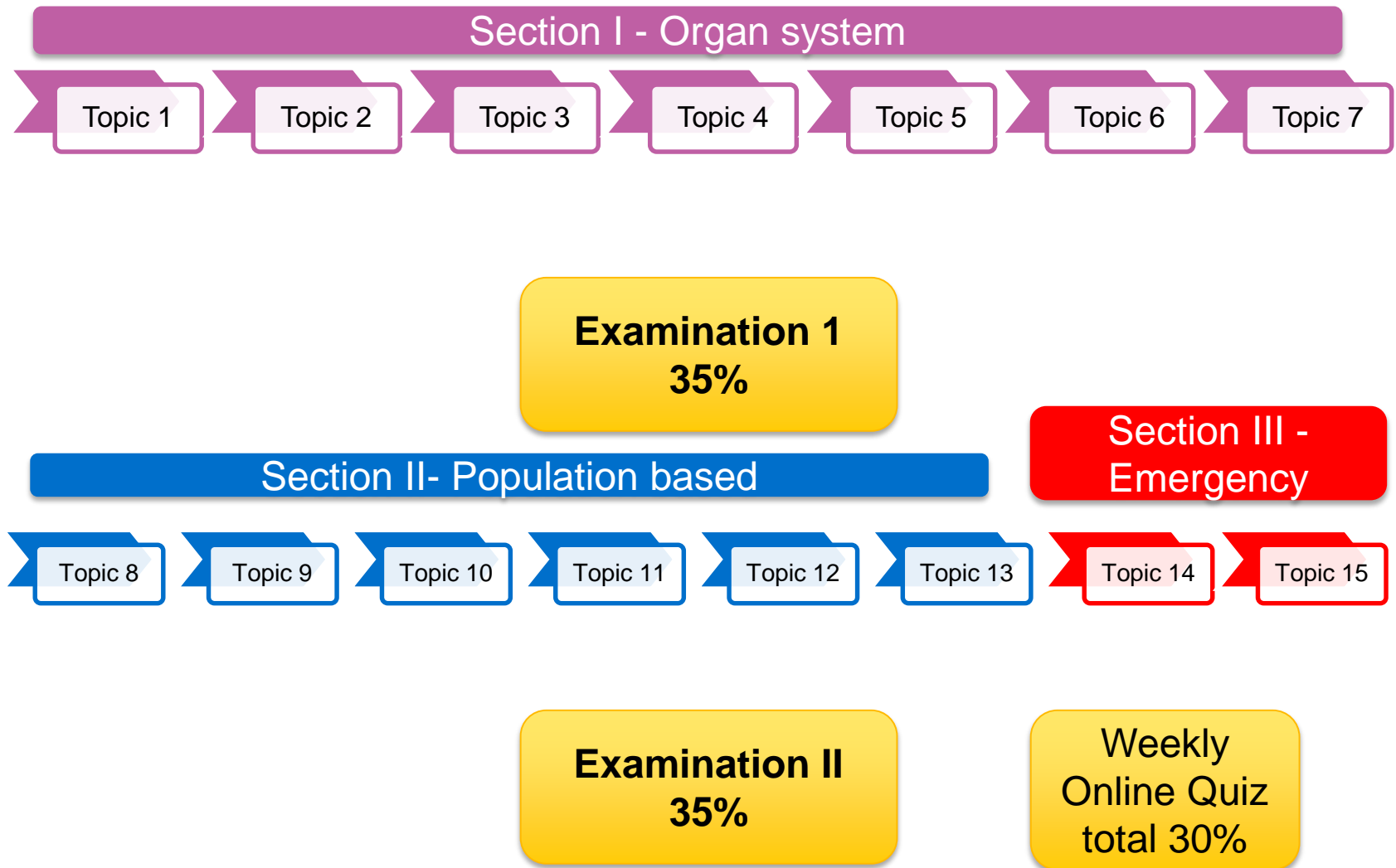
Tools:

Blackboard

Camtasia

Turning point

Changes...



Components of each topic

Typical week



Blackboard

Saturday through Thursday

Learning objectives

Concept lecture

Handouts

Required reading

Online quiz



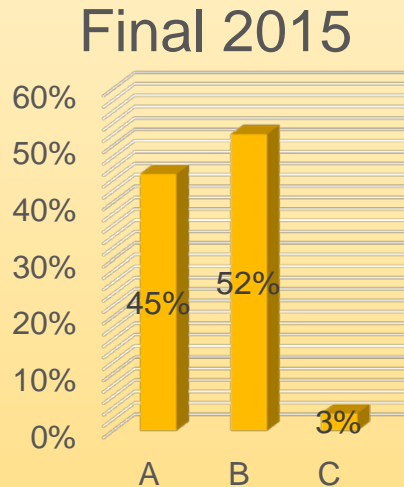
TurningPoint

Friday -Classroom case discussion with turning point system, questions posted at about 5 minutes interval

Outcome

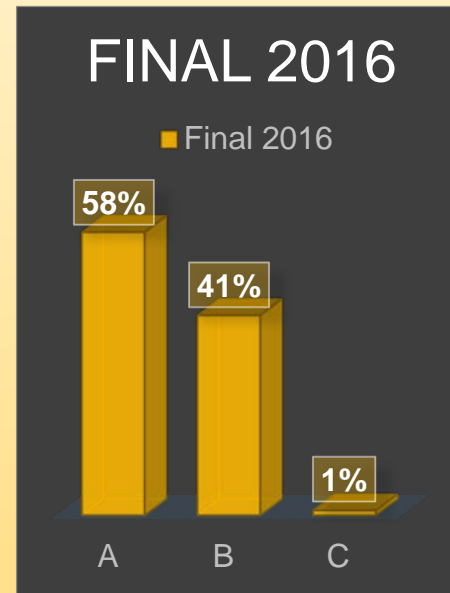
Traditional method – Fall 2015

- 6% were on probation until final grades



New method – Fall 2016

- No probation



Based on Chi square test [Grades A and B&C] the p value = 0.0090
Which is
statistically significant

Results:

- Improvement in students' participation and performance
- Facilitated understanding of clinical importance
- Facilitated active student participation
- Provided an easier knowledge acquisition platform

Advantage of this method:

- Less distraction by unwanted electronic/technology
- Consistent learning through the course
- Caters all types of learners
- Reproducible to other courses

References

Shreeve MW. Beyond the didactic classroom: Educational models to encourage active student involvement in learning. *J Chiropr Educ.* 2008;22(1):23-28.

