

# Using Team-Based Learning to Engage Students in Psychiatric-Mental Health Nursing Course

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# Teams-Based Learning

- A process where students are provided with guided learning opportunities (such as, readings, videos, blogs, postings, podcast, exercises) prior to class and then do “homework” or problem-based exercises in class with the assist of the instructor.

# Team-Based Learning Objectives

- Ensure that students master the course subject matter
- Develop student ability to use course concepts in thinking and problem solving
- Prepare students to be life-long learners
- Develop students' interpersonal and team interaction skills
- Have students enjoy the course.

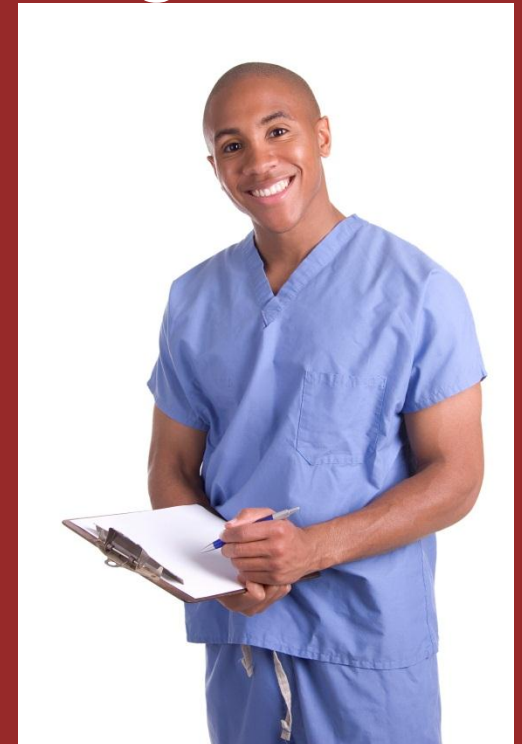
# 1. Form Teams

- Identify key characteristics of students
- Create teams with diverse skills and talents
- Limit teams to 5 to 7 members



## 2. Accountability

- Individual pre-class preparation
- Contribution to team assignments
- Contribution to team functioning
- Grading system that encourages accountability



## 3. Assignment Quality (4Ss)

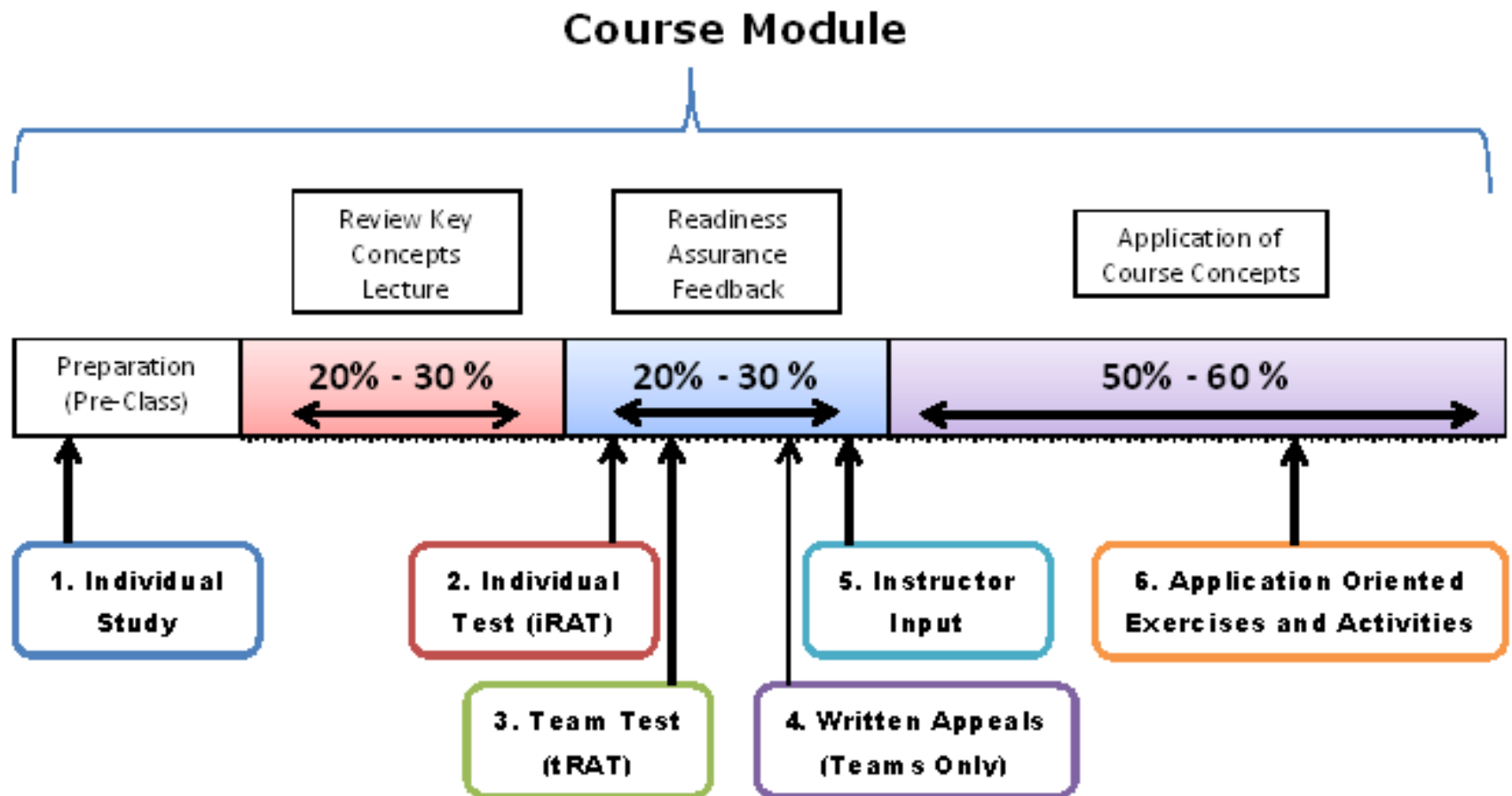
- Effective TBL Activities - Teams work together to make complex, multifaceted decisions
- Significant Problem
- Same Problem
- Specific Choice
- Simultaneous Reporting

# 4. Timely Feedback

- Readiness Assessment Process (RAP)
  - Individual Readiness Assessment Test (iRAT)
  - Team Readiness Assessment Test (tRAT)
  - Appeals process
  - Instructor Feedback
- Intra-Team Discussion (Peer Evaluation)
- Inter-Team Discussion



# TBL Instructional Sequence





# Methods

- Descriptive Evaluation Study
- Psychiatric-Mental Health Nursing Course
  - 11 Week Classes
  - 4 Modules
    - Therapeutic Communication and Relationship
    - Mood Disorders
    - Psychoses Disorders
    - Disadvantaged Populations

# Sample

- Senior Level BSN Students, 2<sup>nd</sup> to last term
- Control Group (n=43)
  - Traditional Lecture Model



- Intervention Group (n=45)
  - Team-Based Learning Model

# Evaluation Method

- Standardized Multiple Choice Exam
  - 70-Question with 4 choices
- Assessment Technologies Institute® (ATI)
  - RN Mental Health 2010 Form B
- Team-Based Learning Student Assessment Instrument (TBL-SAI) – Mennenga, 2010
  - 33 Questions/5 Point Likert Scale
  - 3 Subscales – Accountability, Preference and Satisfaction



# *t*-Test for Standardized Testing

<b>Evaluation</b>	<b>Control (Mean, SE)</b>	<b>Intervention (Mean, SE)</b>	<b><i>t</i>-test Value Significance</b>
<b>Multiple Choice Exam</b>	80.46, 5.91	83.64, 6.98	45=2.30 $p < .02$
<b>ATI MHN 2010 Form B</b>	63.32, 6.86	61.85, 8.76	45=0.31 $p < .76$

# TBL-SAI

<b>Subscale</b>	<b>Mean (SD)</b>
<b>Accountability</b>	4.20 (0.17)
<b>Preference</b>	3.32 (0.14)
<b>Satisfaction</b>	3.85 (0.10)

# Implications

- Similar Learning Outcomes
- Higher levels of accountability and satisfaction with TBL vs. Traditional
- Meets the call from IOM (2011) The Future of Nursing for Nursing Education to provide effective education methods to meet the needs of future nurses.