

# TEAM-BASED LEARNING (TBL) “FLIPS” THE CLASSROOM: WE’VE BEEN “FLIPPING” FOR YEARS

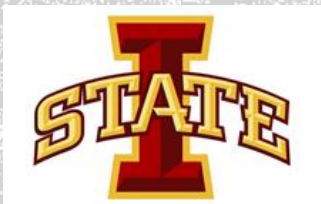


Foy D. Mills, Jr., Ph.D.<sup>1</sup>, Kyle W. Ferrell<sup>1</sup>, Lisa L. Orgler<sup>2</sup>, and Holly S. Bender<sup>3</sup>, <sup>1</sup>Department of Agricultural Sciences and Engineering Technology, Sam Houston State University, Huntsville, TX, <sup>2</sup>Department of Horticulture, <sup>3</sup>Center for Excellence in Learning and Teaching, Iowa State University, Ames, IA



# WELCOME

2015 NACTA Conference  
Invited Workshops Session



# WHAT WE ARE GOING TO DO

- Facilitator introductions
- Preliminary “housekeeping” instructions
- Group formation and introductions

3:00–3:20 pm





**LISA L. ORGLER**

Lecturer

Department of  
Horticulture

Iowa State University





**KYLE W. FERRELL**

USDA-NIFA Graduate  
Research Assistant

Agricultural Sciences  
& Engineering  
Technology

Sam Houston State  
University





## **HOLLY S. BENDER**

Associate Director

Center for  
Excellence in  
Learning and  
Teaching

Professor,

Veterinary Pathology

Iowa State University





## **FOY D. MILLS, JR.**

Professor and  
Program Leader-  
Agribusiness

Agricultural Sciences  
& Engineering  
Technology

Sam Houston State  
University



# HOUSEKEEPING





# READINESS ASSESSMENT PROCESS

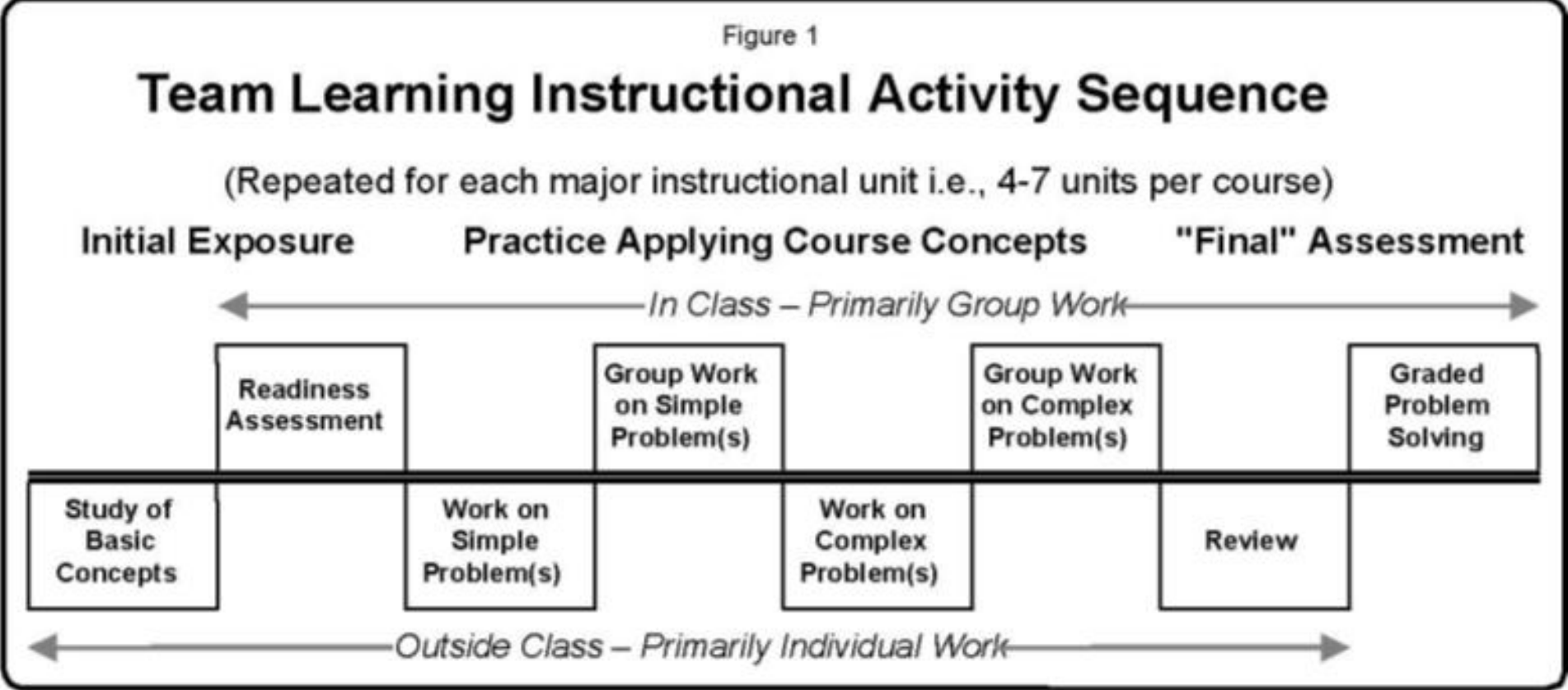


Figure 1. Team-Based Learning and the readiness assurance process. Source: Dr. Larry Michaelsen



# GROUP FORMATION



# DO- READINESS ASSURANCE PROCESS

- iRAT/tRAT over reading

3:20-3:50 pm

- tRAT feedback/clarification

3:50-4:00 pm

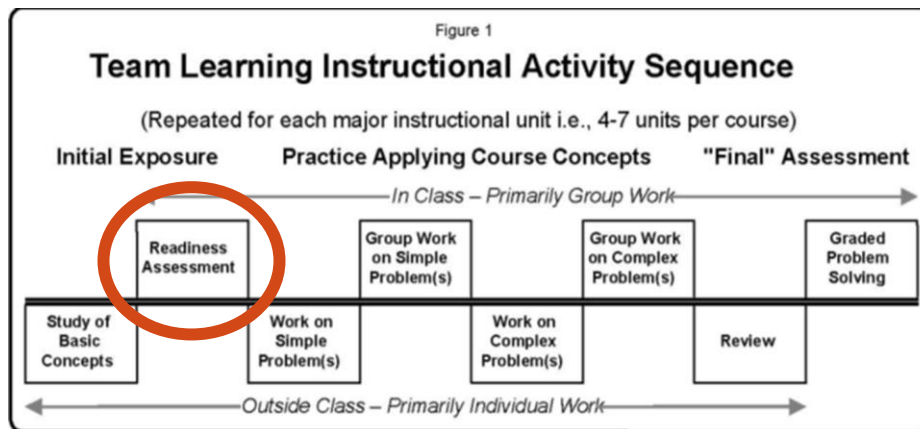


Figure 1. Team-Based Learning and the readiness assurance process. Source: Dr. Larry Michaelsen



# DO- GROUP ACTIVITY 1

- Questions regarding RAP
  - Group discussion
  - Simultaneous collective response

4:00-4:15 pm

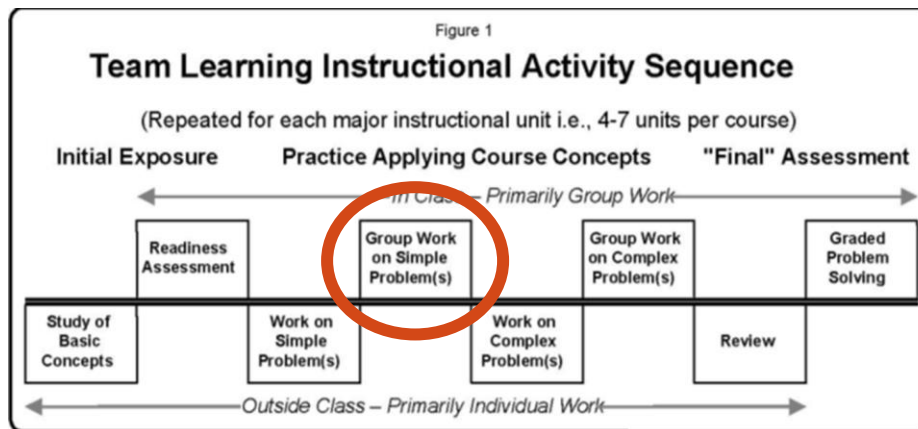


Figure 1. Team-Based Learning and the readiness assurance process. Source: Dr. Larry Michaelsen



# DO- GROUP ACTIVITY 2

- Compose and prioritize set of questions needing answered before considering “flipping a classroom” using TBL
- Propose items for listing
- Post responses on self-stick easel pad sheets for display
- Group multi-voting to choose most important questions to address

4:15-4:40 pm

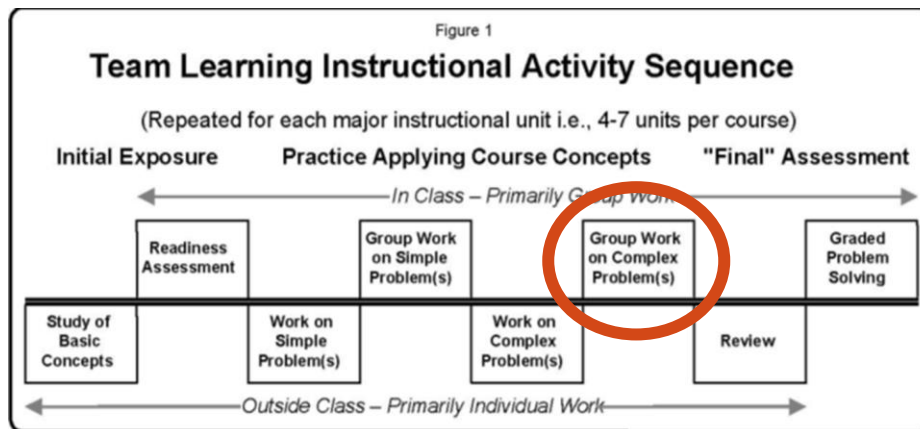


Figure 1. Team-Based Learning and the readiness assurance process. Source: Dr. Larry Michaelsen



# ACCOUNTABILITY- ONE COMPONENT

AGRB 2317.01-PRINCIPLES OF AGRICULTURAL ECONOMICS  
 ATTENDANCE  
 SPRING 2015

2	Jan					Feb					Mar					Apr													
Student	15	20	22	27	29	3	5	10	12	17	19	24	26	3	5	17	19	24	26	31	2	7	9	14	16	21	23	28	30
Joseph [redacted]	P	P	P	S	P	P	P	T	P	S	P	U	P	P	P	P	P	T	P	E	E	P		P	P	P	P	P	P
Karrie [redacted]	A	P	P	P	P	U	U	P	P	P	P	P	U	P	P	P	T	P	P	P	P	T		X	T	U	U	U	U
Sydney [redacted]	P	P	P	P	P	P	P	P	P	U	P	P	U	U	U	U	P	P	P	P	P	P		P	P	P	P	P	P
Matthew [redacted]	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		P	P	P	P	P	P
Brackston [redacted]	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		P	P	P	P	P	P

P = Present  
 T = Tardy  
 E = Excused  
 U = Unexcused  
 S = School Sponsored



# SUMMARY

- TBL
    - More than just “flipped,” collaborative or cooperative learning
    - Research-supported
  - RAP
  - Our experiences
  - Research/best practices
- 4:40-5:00 pm





**THANK YOU**

With teamwork,  
you can stack  
your hay  
higher!





**FOR MORE  
INFORMATION:**



<http://goo.gl/forms/89L2bDqzBC>

