

Eduhub days 2007

# E-assessment for TBL

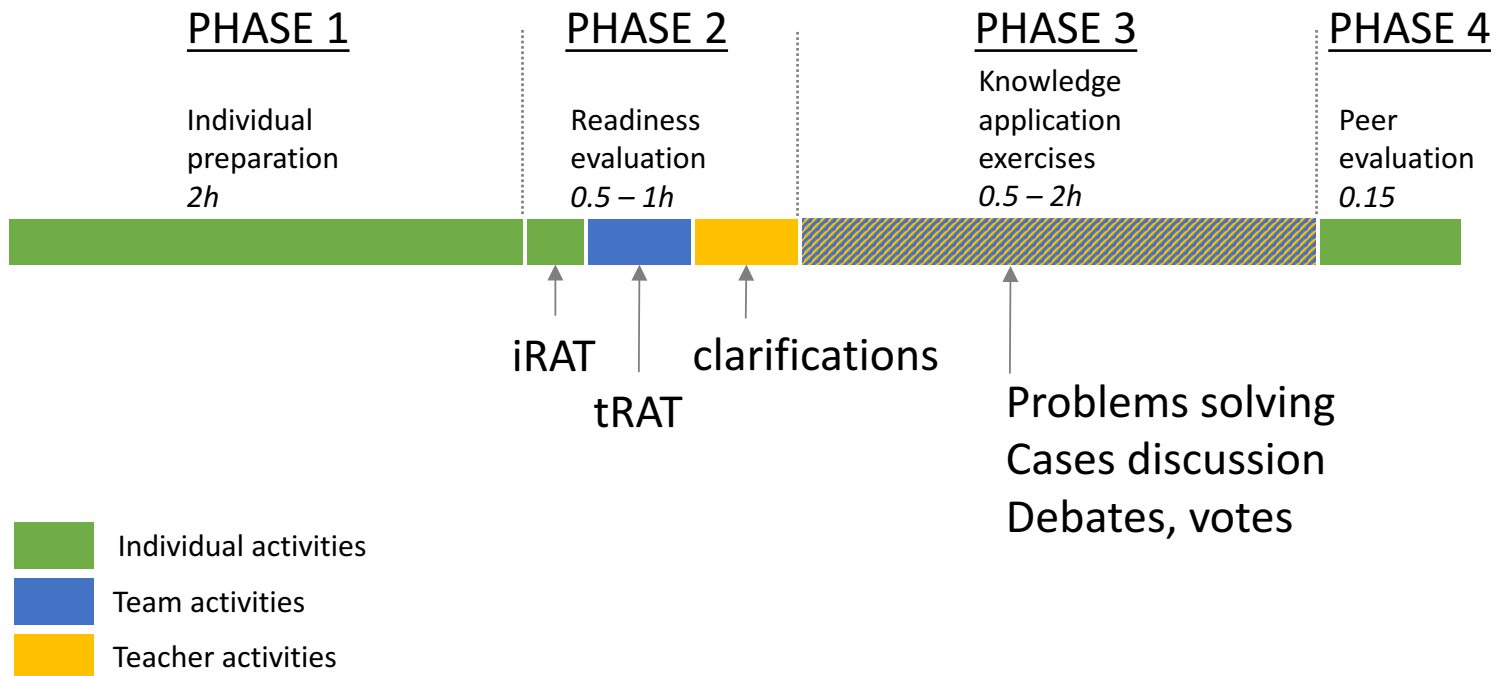
<https://goo.gl/L7dneB>



# PBL at the Faculty of Medicine

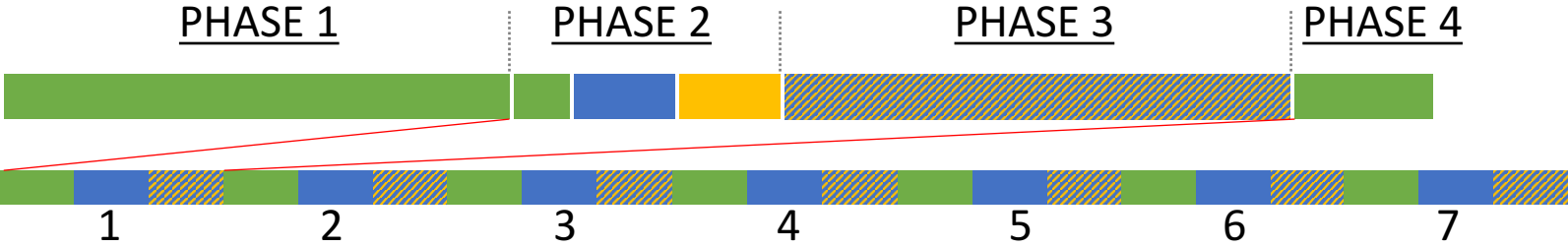
- 1998
  - From study years 2 to 5, 25 teaching units (1-2 month)
  - 100 students/year, 12 groups of 8 students, 1 tutor/gr
- 2017
  - 180 students/year, 16-18 groups of 12-10 students
  - 700 tutors

# Team-Based Learning (TBL)



Parmelee, D., et al., *Team-based learning: a practical guide: AMEE guide No. 65.*  
Med Teach, 2012. **34**: e275 – e287

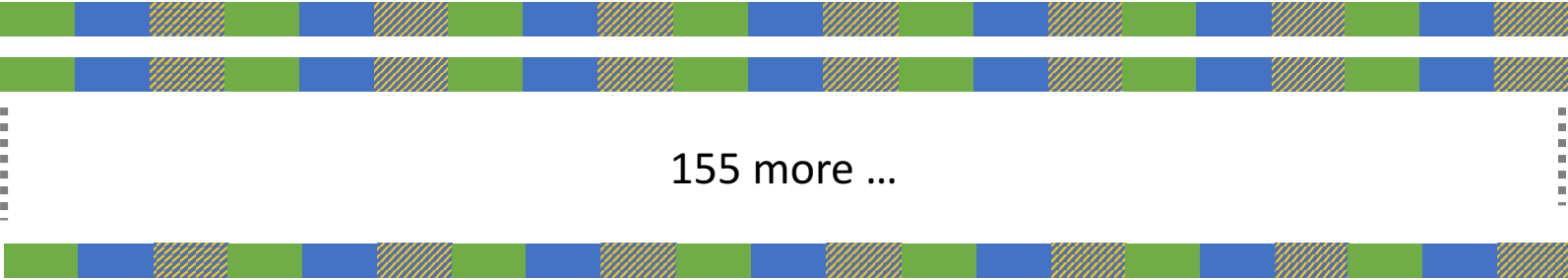
# Swiss health system course



$7 \times 3 = 21$  mini evaluations

$2 \times 80$  students split in  $2 \times 11$  groups of 6-8 students

$160 \times 21 = 3360$  mini evaluations



# Collecting the assessments: paper and Excel

iRAT

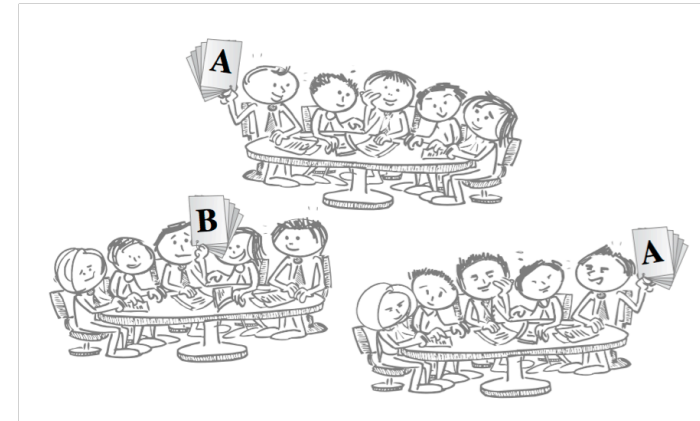
TYPE A					2 <sup>ème</sup> réponse ▼						
	A	B	C	D	E	Annuler	A	B	C	D	E
1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

tRAT

IMMEDIATE FEEDBACK ASSESSMENT TECHNIQUE (IF AT®)  
 Name Team #3 Test # 2  
 Subject \_\_\_\_\_ Total \_\_\_\_\_  
**SCRATCH OFF COVERING TO EXPOSE ANSWER**

	A	B	C	D	Score
1.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

exercises



<http://learntbl.ca/if-at-immediate-feedback-assessment-technique/>

<http://learntbl.ca/what-is-tbl/structured-problem-solving/>

# Collecting the assessments: Moodle

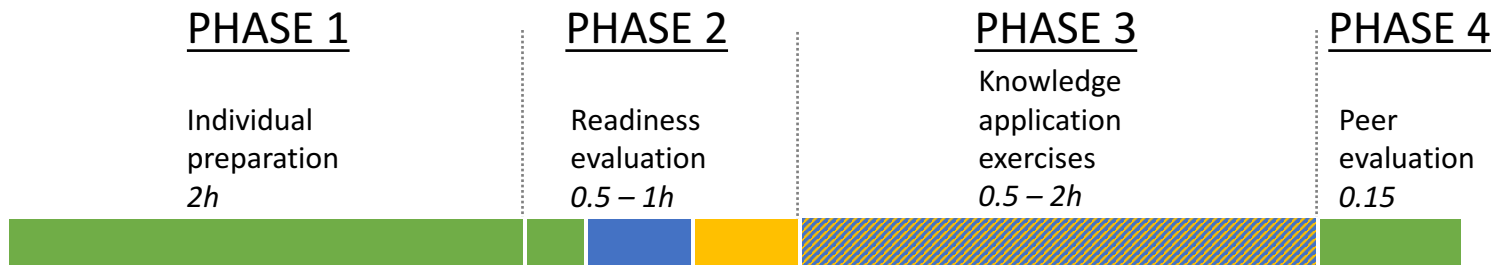
iRAT: [quiz](#)

tRAT: [new plugin](#)

Exercices: [new plugin quiz](#)

The screenshot shows a Moodle assessment interface. At the top, the Moodle logo 'moodle@unige' is on the left, and navigation links 'Page d'accueil', 'Mes Cours', 'E-assessment', and 'Français (fr)' are in the center. On the right, the user 'Daniel Scherly' is logged in with a profile picture. Below the header, the course title 'Santé Publique, Santé Globale et Médecine du Travail TEST' is displayed. A breadcrumb trail shows the path: Accueil > md-santePubliqueGlobaleTravail test > Prévention et promotion de la santé > iRAT, PP, V1 > Prévisualisation. On the left, there is an 'Administration' sidebar. The main content area is divided into three sections: 1. 'NAVIGATION DU TEST' with three question indicators (1, 2, 3), a 'Terminer le test...' link, a timer showing 'Temps restant 0:04:26', and a 'Prévisualiser à nouveau' button. 2. 'Question 1' with status 'Pas encore répondu', 'Noté sur 1,00', and options to 'Marquer la question' and 'Modifier la question'. 3. The question text: 'En Europe de l'Ouest et aux Etats-Unis, les deux principales causes non-génétiques des cancers sont :'. Below the text, it says 'Veillez choisir au moins une réponse :' followed by four radio button options: 'a. La fumée de tabac', 'b. La mauvaise alimentation', 'c. La consommation d'alcool', and 'd. Les infections'. At the bottom right, there is a 'Page suivante' button. At the bottom center, there is a link for 'Documentation Moodle pour cette page' and a status message: 'Connecté sous le nom « Daniel Scherly » (Déconnexion) md-santePubliqueGlobaleTravail test'. At the bottom left, there is a button 'Afficher un menu'.

# Peers assessments:TeamMate



<https://teammatesv4.appspot.com>



# Impressions after 4/14 sessions



- Student comes prepared
- Active participation to the tRAT and knowledge application exercises
- Misunderstanding can be quickly corrected



- Study time should be neutral
- tRAT plugin must be improved
- Course administration burden