Delft University of Technology

Employability of Future Engineers: curriculum elements

Leandro Cruz, Mariana; Saunders, Gillian; Groen, Pim

Important note
To cite this publication, please use the final published version (if applicable).
Please check the document version above.

Employability of Future Engineers: curriculum elements

Mariana Leandro Cruz
ASM
NovAM
Gillian N. Saunders-Smits
Pim Groen
M.LeandroCruz@tudelft.nl

WHAT	Develop curriculum elements
WHY	Prepare for labour market
WHO	Engineering Master students
WHERE	3 universities: TU Delft, KU Leuven & TU Dublin
HOW	

Assessment

Quantitative   Qualitative
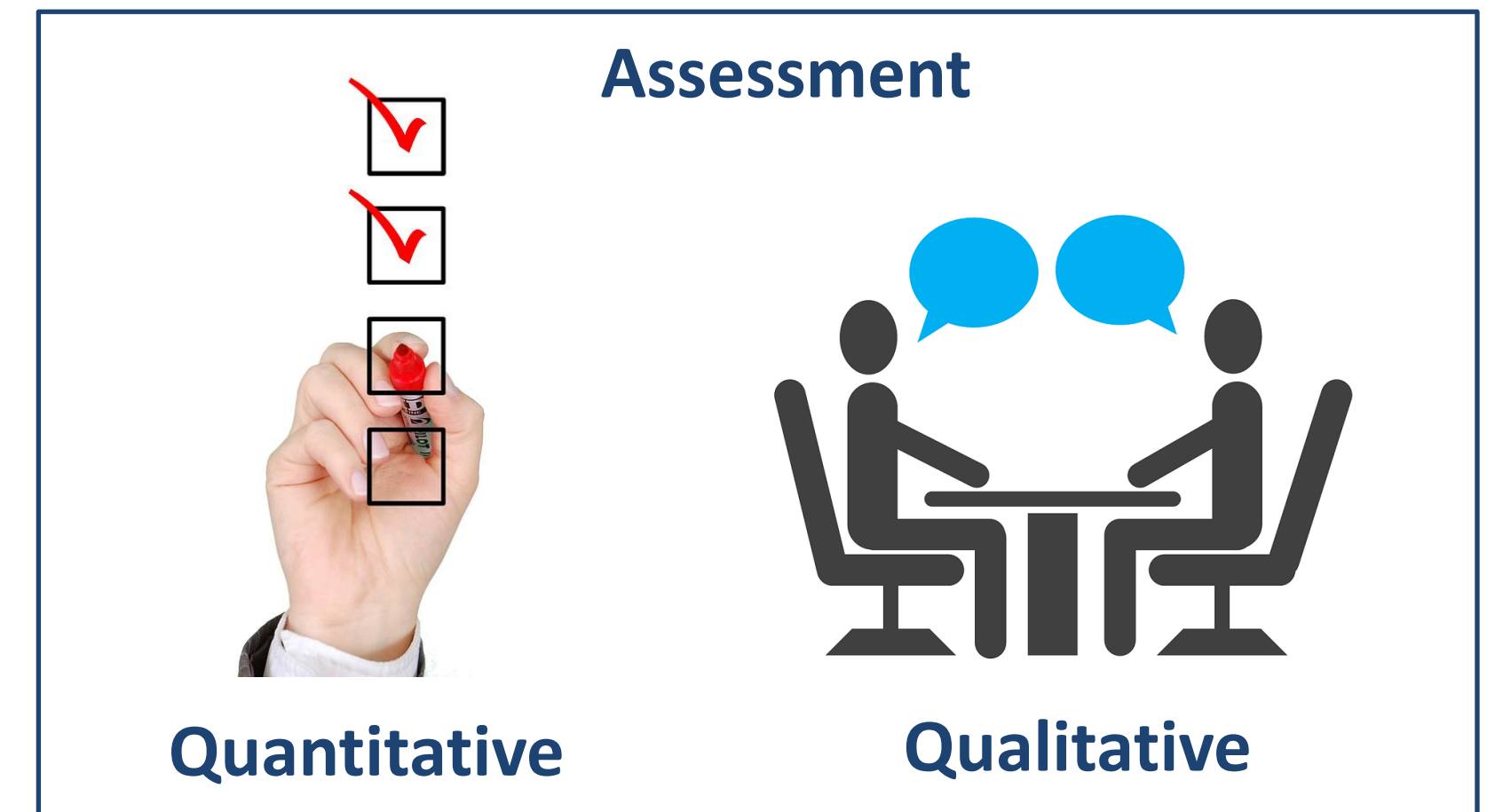
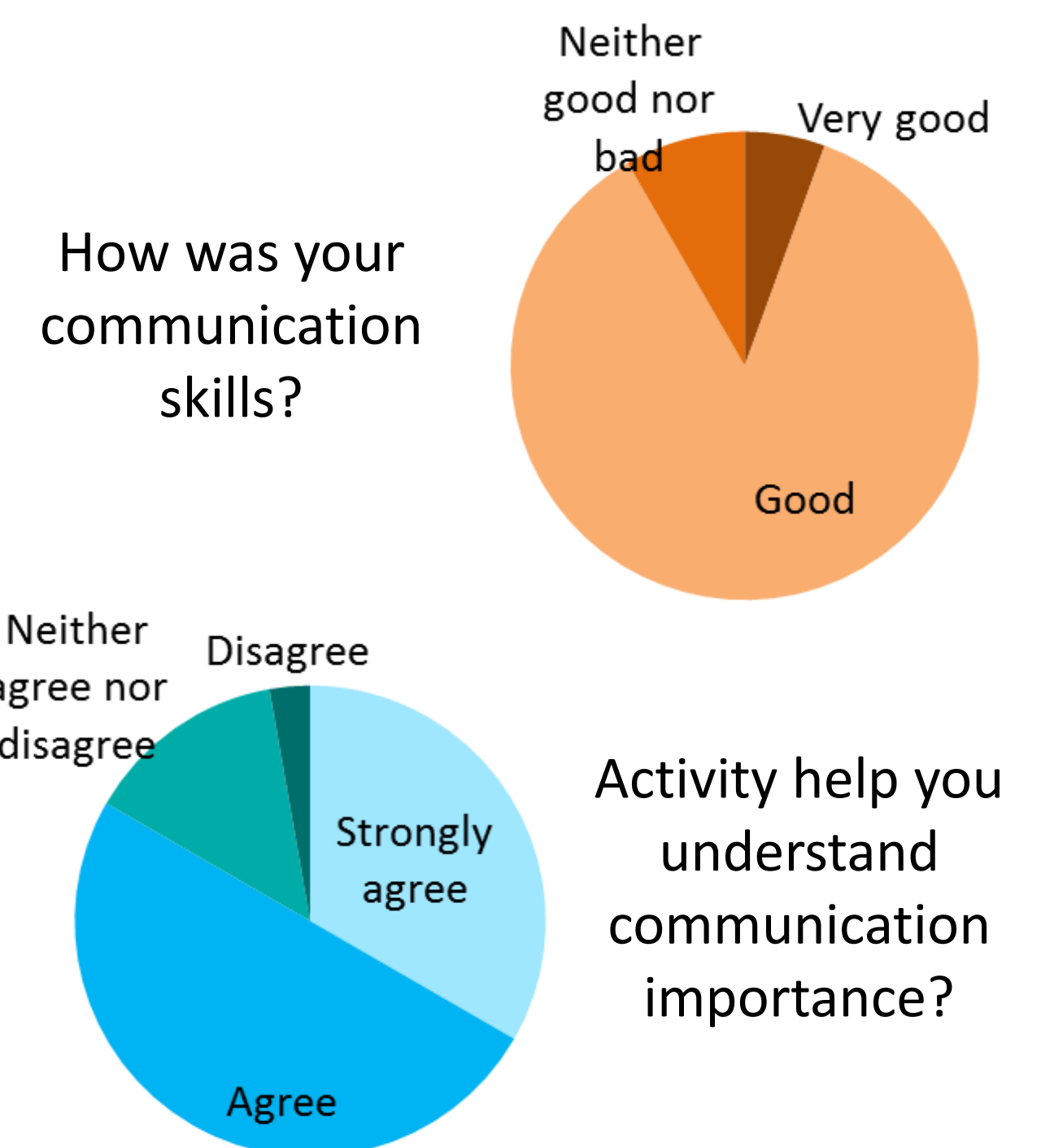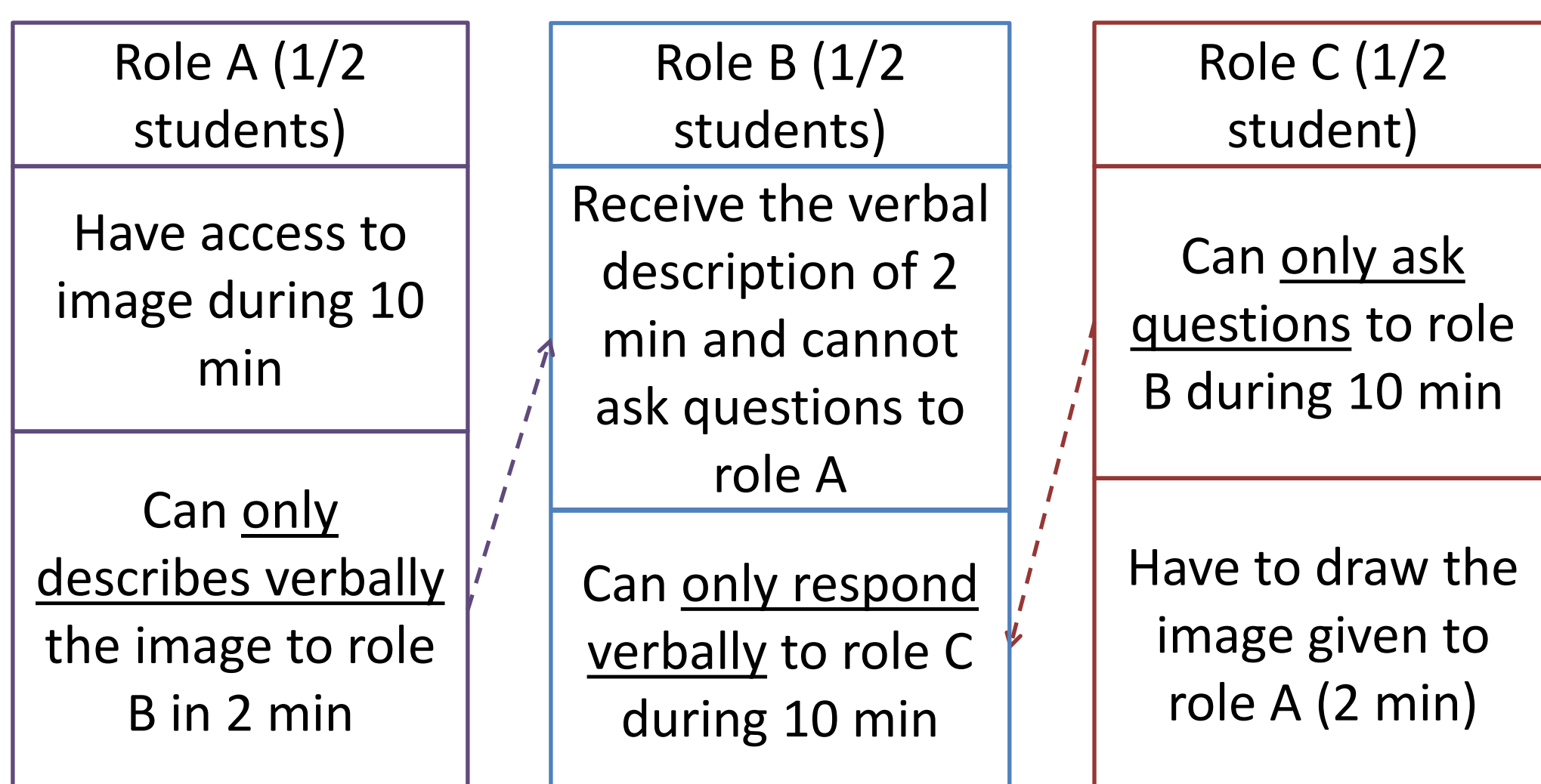## 1. Chinese Whisper with a Twist: 1 hour activity

Role A (1/2 students)
- Have access to image during 10 min
- Can only describes verbally the image to role B in 2 min

Role B (1/2 students)
- Receive the verbal description of 2 min and cannot ask questions to role A
- Can only respond verbally to role C during 10 min

Role C (1/2 student)
- Can only ask questions to role B during 10 min
- Have to draw the image given to role A (2 min)

How was your communication skills?
(Neither good nor bad, Very good, Good)

Activity help you understand communication importance?
(Neither agree nor disagree, Disagree, Strongly agree, Agree)

2. Reflections: 20 min exercise

- Learning expectations from the course
- Possible contribution to students future career

Pre and Post Reflections

- Learning from the course
- Contribution to students future career
- Strengths and points to improve

3. Innovation Bootcamp: 1 week course

- Design and build your product
- Optimise the efficiency of your product
- Convey your product

Pros	Cons
Awareness of engineering roles	Low attendance
Authentic experience of engineering careers	Wide assignment
Development of competencies	Lack of work reporting

Future work:

4. Help I'm being interviewed: 2-hours 2-workshops

What   Who   Where   When   How   Why   ?