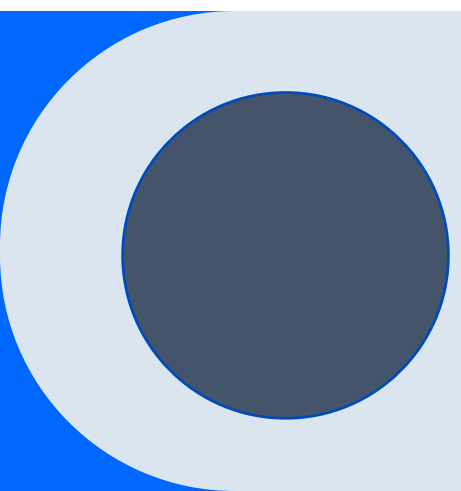




# **Millorant assignatures de contingut i comunicació mitjançant la tecnologia: Virtual Exchange i Virtual Reality**

Marta Aguilar



# Com integrar idiomes, tecnologia i valors europeus des de les humanitats?

**Assignatures de comunicació tècnica** (*English for Specific Purposes*)

**Assignatures de contingut (Science Technology and Society, STS) que analitzen l'impacte de la tecnologia en la societat, en anglès** (*English-medium instruction*)

**Ajudar els estudiants (Generació Z) a que desenvolupin les seves literacitats disciplinàries en anglès mitjançant la tecnologia**

**Disciplinary literacies:** “the use of reading, reasoning, investigating, speaking, and writing required to learn and form complex content knowledge appropriate to a particular discipline” *(McConachie and Petrosky, 2010, p. 16)*

# Ajudar els estudiants a reflexionar sobre l'impacte de la tecnologia en la societat

## *Science, Technology and Society*

Scholars in STS ask “*How do changes in science and technology affect what it means to be human?*” and, conversely, “*How do science and technology express human values?*” (MIT website) “*where science and society meet*”

CONTRIBUCIO DE LES HUMANITATS:

Sociologia de la ciència

**Ètica per als enginyers** (jurídic, filosòfic, [literatura](#))

## Objectius dels cursos

### 1-ESP –COMUNICACIÓ, CLAU PELS ENGINYERS QUE TREBALLARAN EN UN MON GLOBALITZAT

Comunicació en les empreses i en projectes (*meetings, project work, managing conflict, reporting to supervisors and other stakeholders– Informes de viabilitat, Especificacions Tècniques, Video Curriculum, LinkedIn summary, IMRD article, presentacions*) → **diferents objectius i audiències**

### 2- EMI: Science, Technology and Society

## Technology-mediated

English as a Lingua Franca

### En Intercanvis Virtuals

→ Blended Intensive Programme (BIP), dintre de Erasmus+

**Realitat Virtual:**  
goggles/ordinador

## Competència Intercultural

**IC:** “the set of attitudes, skills and knowledge that allows us to **communicate and interact effectively** (in relation to one’s own view) and **appropriately** (in relation to the other’s view) with people from different linguistic and cultural backgrounds.”

(Fantini & Tirmizi, 2006)

*Internacionalització a Casa*



# 1- Intercanvi Virtual

**JVE (Journal of Virtual Exchange) – definition (telecollaboration, virtual exchange)**

“The common element to these various pedagogical practices is structured, teacher-led online collaboration between two or more geographically distant, usually culturally and/or linguistically distinct groups of learners, with a view to promoting various combinations of linguistic, intercultural, and content skills and knowledge, as well as transversal competences such as digital literacies and intercultural teamwork.”

<https://journal.unicollaboration.org/about/editorialPolicies#focusAndScope>

**Context de la xarxa TAPP (Trans-Atlantic and Pacific Project):** <https://www.uhd.edu/academics/humanities/about/departments/english/Pages/The-Trans-Atlantic-and-Pacific-Project.aspx>

*TAPP's main aim is to share insights into **collaborative writing across borders and cultures**, and, in the course of this work, to gain knowledge of others' cultural bases. It creates **globally-networked learning environments**.*

2019-2020-2022: U of Wisconsin-Stout (prof Joleen Hanson)

2021: U of Texas, Kansas (prof. Victoria A. García)

2023-24: .... In progress

## 2-REALITAT VIRTUAL

# Immersive Business and Engineering English in Virtual Reality: A Tool for the Sustainable Mobility of the Skilled Workforce in the EU

(European project - KA2 Strategic Partnership, 2018-21)

- Consortium: **Austria, France, Poland, Spain, Turkey.**

Aims:

- address real-life English needs in international workplace settings,
- train **skilled professionals (engineers) for mobility**
- provide **realistic, engineering scenarios** to learn **professional communication**



# Professional communication through VR

## MODULE 1

**STARTING A NEW JOB IN AN ENGINEERING COMPANY:** Jobs Adverts/Offers; Job Applications/CV; Job Interviews; Meetings

## MODULE 2

**LAUNCHING A NEW PRODUCT:**  
Feasibility report/ Proposal; Oral presentation in meetings; Agendas/ Minutes; etc.

## MODULE 3

**DEVELOPING AND MANUFACTURING PROCESSES:**  
Description of process; Telephone calls; Meetings; Patents

## MODULE 4

**COMPLYING WITH SAFETY, QUALITY & ENVIRONMENTAL STANDARDS:**  
Meetings; Presentations; Email and memos

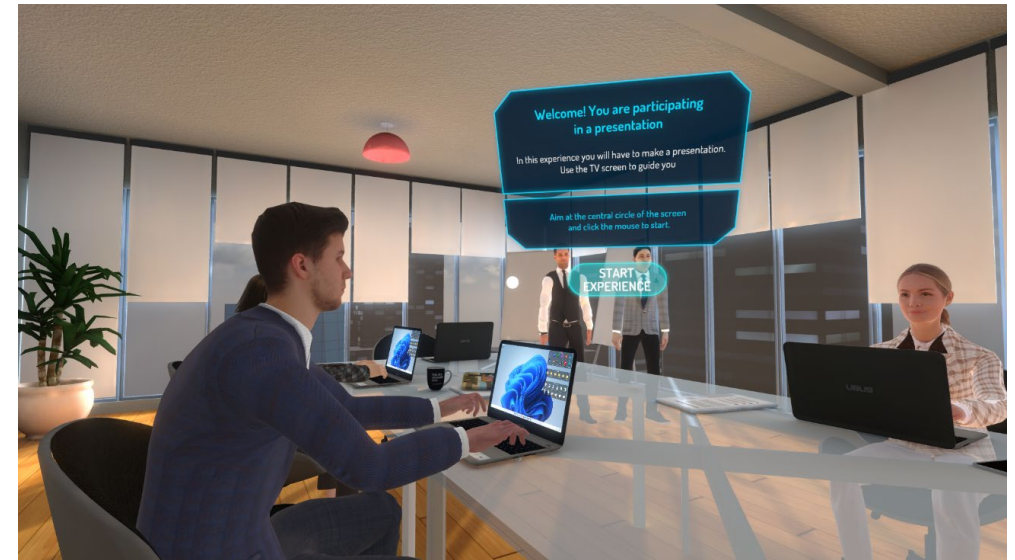
## MODULE 5

**SELLING PRODUCTS, SERVICES & MAINTENANCE:**  
Meetings; Face-to face conversations; Telephone calls; Leaflet; Elevator pitch

# Professional communication through VR

Immersió en un món virtual

Meetings, presentations, job interviews, feasibility report, elevator pitch





## Implementació- curs 21-22



# Per acabar...

- Comunicació digital i la generació Z (Janssen & Carradini, 2021): estudiants interactuen a través la tecnologia
- Integració de la comunicació en l'enginyeria mentre realitzen un projecte sobre *x*
- Millora de l'anglès situat dintre de les activitats relacionades amb la professió (registre tècnic, gèneres i literacitats disciplinàries)
- Mobilitat (virtual) i Internacionalització a Casa → Competència Intercultural
- EMI: Iniciatives des de les Humanitats que promouen el pensament crític i la reflexió sobre l'ètica i l'impacte de la tecnologia a la societat d'una forma informada

# I per mi, què?



[This Photo](#) by Unknown Author is licensed under [CC BY-NC](#)



[This Photo](#) by Unknown Author is licensed under [CC BY](#)

Animeu-vos!