



# Erasmus+ KA122 PROJECT O.P.E.N.N.E.S.S. Invite Expert Prof. Walther Rahbek – Denmark



November 13-18 - 2023







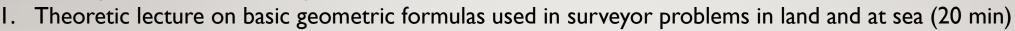




## **Lectures overview**

3-CAT (16 students)

"Geometry used for a rescue operation at sea"



- 2. Vocabolaries main words and expressions used in geometry (paper hand-out) (10 min)
- 3. Cooperate Learning (CL): Groups of two students. Present the formulas to each other explain in English (15 min)
- 4. "Rescuing Giorgio at sea" Case intro (10 min)
- Group work (3 persons) how will you solve this rescue operation from a geometrical, practical and ethical angle? (30-60 min)
- 6. Presentation each group present their conclusions for the class in English (45 min)
- 7. Discussion in class: This theory, geometry where can we use it in real life? What are your plans for the future?
- Duration: 4 hours











#### **Lectures overview**

5-CAT (9 students)

"Geometry used for a rescue operation at sea"

- I. Theoretic lecture on basic geometric formulas used in surveyor problems in land and at sea (30 min)
- 2. Vocabolaries main words and expressions used in geometry (paper hand-out) (10 min)
- 3. Cooperate Learning (CL): Groups of three students. Present the formulas to each other explain in English (15 min)
- 4. "Rescuing Giorgio at sea" Case intro (10 min)
- Group work (3 persons) how will you solve this rescue operation from a geometrical, practical and ethical angle? (30-60 min)
- 6. Presentation each group present their conclusions for the class in English (45 min)
- 7. Discussion in class: This theory, geometry where can we use it in real life? What are your plans for the future?
- Duration: 4 hours











#### Lectures overview

3C - SIA (12 students)

"Build your own web site"

- I. Theoretic lecture on basic website production (20 min)
- 2. Vocabolaries group work (students of three) "Which words are the most used on websites in English?" (30 min)
- 3. Discussion in class (10 min)
- 4. Search on the internet. Find two examples of GOOD websites and two of BAD websites. Explain why! (30 min)
- 5. Now make your own web site content (groups with three students). Describe how you want to design, build and present the user interface (60 min)
- 6. Presentation in class (30 min)

Duration: 3 hours







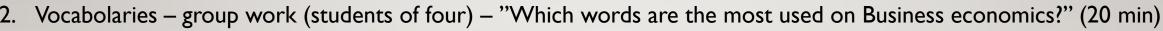


### **Lectures overview**

4B-C AFM (20 students)

"Start your own company"

I. Presenting the BMC model and watching Youtube video (30 min)



- 3. Discussion in class (30 min)
- 4. Brainstorming: Each student think of your own business idea (10 min) yellow post-it stickers
- 5. Teacher collect stickers and group after thematics. Formation of groups (10 min)
- 6. Group work: Describe the targit group of your company (WHO) and the product/service (WHAT) (60 min)
- 7. Discussion in Class (30 min)
- 8. Define your management team. Who will fill out which roles (Theory about role models etc. In organizations) 30 min
- 9. Discussion in class (20 min)
- 10. Income and expenditures what is accounting all about?
- II. Make the budget of your own company!

Duration: 4 hours









#### **Lectures overview**

#### 4B-C AFM (20 students)

"Population growth and pollution?"

- I. Presentation on the UN report on population growth (20 min)
- 2. Students will read the conclusions in the report (individual work) (10 min)
- 3. In groups of 4 students: Discuss the UN report what do you think? (20 min)
- 4. Presentation (one person per group present) (20 min)
- 5. Statistics on the workforce and unemployment is presented (Italy and Denmark) (10 min)
- 6. How to make regression in Excel (20 min)
- 7. Data processing in Excel (students on their own computers) (30 min)
- 8. Forecasting is it possible? Class discussion. (30 min)

**Duration: 3 hours** 







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## **Teacher Lecture overview**

"CLIL"

- I. Presentation of CLIL, main principles and theory (CLIL4U guidebook, EU)
- 2. What are your own experience so far with CLIL?
- 3. In groups: Make a plan for your next CLIL lecture with your class (this week)
- 4. Discussion: How will this work? What are your fears and obstacles?
- 5. PPT presentations good and bad some tips and ideas, examples.
- 6. Make your own PPT presentation for your CLIL lecture
- 7. How do you make a good presentation (tricks and ideas)?
- 8. (Teachers to present their PPT in own class and do the CLIL lesson)
- 9. How did it go? Discussions
- 10. How can we differentiate in the classroom during CLIL using the Bloom tacsomeny?
- 11. My own experience from grammar school, high school and university teaching
- 12. What is going on at the Vocational school in my city (TechCollege Aalborg)?
- 13. Possibilities for cooperation in the future?

Duration: 10 hours



