EU GreW – SUMMER SCHOOL

Morning Sessions start at 9 a.m.

(Duration: 6 hours)

Co-funded by the European Union

18.08.2024: Introduction (Dr Kolokotronis Dimitris, Mr Liovas Dimitris)

Duration: 2hours (starts at 6 pm)

Topics Covered:

1. "EU GreW" Issues Introduction
2. Understanding of the Training Program
3. Jean Monnet Teachers' Training

Course 1-19.08.2024: Understanding Climate Change Fundamentals (Pr. Anagnostopoulou Christina)

Duration: 3hours

Topics Covered:

1. Introduction to Climate Change: Understanding the Basics
2. Greenhouse Gases and Human Activities: Causes and Effects
3. The Science Behind Climate Change: Physical Processes Explained
4. Case Studies: Analyzing Climate Change Data and Trends

Course 2-19.08.2024: Impacts of Climate Change on Environment and Society (Pr. Anagnostopoulou Christina)

Duration: 3 hours

Topics Covered:

1. Environmental Impacts: Ecosystems, Biodiversity, and Habitats
2. Societal Impacts: Human Health, Agriculture, and Food Security
3. Rising Sea Levels: Coastal Communities and Infrastructure
4. Extreme Weather Events: Challenges and Resilience Strategies

Course 3-20.08.2024: Green Development and Sustainable Futures (Pr. Anagnostopoulou Christina)

Duration: 3 hours

Topics Covered:

1. Introduction to Green Development
2. Sustainable Energy Systems
3. Sustainable Urban Planning and Design
4. Circular Economy and Resource Management

Course 4-20.08.2024: Understanding the Water Cycle and Sustainable Water Management (Pr. Abdelkader Larabi)

Duration: 3 hours

Topics Covered:

1. Introduction to the Water Cycle
2. Water Resources and Access
3. Sustainable Water Management Practices
4. Policy and Governance in Water Management

Course 5-21.08.2024: Mitigation and Adaptation Strategies for Climate Change (Pr. Abdelkader Larabi)

Duration: 3 hours

Topics Covered:

1. Mitigation Techniques: Renewable Energy and Carbon Capture
2. Adaptation Strategies: Infrastructure Resilience and Urban Planning
3. Sustainable Agriculture and Land Use Practices
4. Policy Frameworks and International Cooperation

Course 6-21.08.2024: EU political system (Pr. Alexopoulos Aris)

Duration: 3 hours

Topics Covered:

1. Understanding of EU Policies
2. EU Development Policy
3. EU Environmental Policy
4. EU Educational Policy
5. EU and International Cooperation

Course 7-22.08.2024: EU Climate Change Policy (Pr. Alexopoulos Aris, Dr Anagnostopoulou Calliope)

Duration: 6 hours

Topics Covered:

1. Introduction to EU function system
2. EU functions and policies.
3. The rise of the EU environmental policy.

Course 8-23.08.2024: What the EU is doing about climate change. (Pr. Alexopoulos Aris, Dr Anagnostopoulou Calliope)

Duration: 6 hours

Topics Covered:

1. EU climate goals, the European Green Deal and the adoption of the European Climate Law Sustainable Energy Systems
2. The strategy to shape global actions for climate change.

24.08.2024

Outdoor Activities – Cultural Visits

Duration: 12 hours

25.08.2024

Outdoor Activities – Cultural Visits

Duration: 12 hours

Course 9-26.08.2024: The European Education and Training Policy, within the framework of the EU2020 Strategy (Pr. Papadakis Nikos)

Duration: 6 hours

Topics Covered:

1. Introduction to Green Development
2. Sustainable Energy Systems
3. Sustainable Urban Planning and Design
4. Circular Economy and Resource Management

Course 10-27.08.2024: Permacrisis, the new European Strategy on Sustainable Development and the future role of Education in sustainability (emphasizing social sustainability) (Pr. Papadakis N.)

Duration: 3 hours

Topics Covered:

1. The evolution of the European Policy on Education, Training and LLL, within the framework of the EU2020 Strategy
2. Employment in Europe and a critical overview of the aforementioned EU Strategy
3. Reduction of youth unemployment and the development of related skills and qualifications through Education, VET and Lifelong Learning

Course 11- 27.08.2024: Mega-Trends &Transformations in the Labour Market and future skills and jobs. The role of Education, Training and LLL (Pr. Papadakis Nikos)

Duration: 3 hours

Topics Covered:

1. The ongoing transformation in the Labour Market.
2. An overview of the dominant trends in the Labour Market.
3. The, existing and potential, role of Education and LLL in employability and social inclusion.

Course 12- 28.08.2024: The impact of the climate crisis and the trend towards green skills. (Pr. Papadakis Nikos)

Duration: 3 hours

Topics Covered:

1. The impact of the ongoing climate crisis in a series of policy domains, including Society and Education.
2. A new trend is rising
3. The key green skills and attempts answer in a crucial question: How can we develop actual green skills, via education, school and daily educational practices?

Course 13- 28.08.2024: How to participate in the Erasmus+ programme (Ms Blakou Theodora – Mr Stathopoulos Costas)

Duration: 3 hours

Topics Covered:

1. Sources of search for calls for proposals for project financing
2. Finalization of the main idea and background of the proposal. Formulation of individual goals.
4. Organization and management of the submitted proposal.
5. Completion of proposal submission forms. Points to be evaluated. Publicity and dissemination of results.
6. Establishment of a budget
7. Submit a proposal

Course 14- 29.08.2024: Writing your first Erasmus project -Invited Speakers (Ms Blakou Theodora – Mr Stathopoulos Costas)

Duration: 6 hours

Topics Covered:

1. Pilot good practice proposal that adequately meets the requirements of the call for funding proposal in a European program. Presentation of a rejected proposal.
2. Preparation of a proposal plan by the participants.

3. Assessment of knowledge and skills.

30.08.2024

- Conclusions
- Case Studies
- Next Steps for participants
- Building international cooperation
- Debate
- Evaluation
- Closing Ceremony
- Certificates

EU-GREW

Afternoon Labs

(Duration: 4 hours)

Peer to peer learning / Self-training

Co-funded by the European Union

ΕΕΠΕΚ
ΕΠΙΣΤΗΜΟΝΙΚΗ ΕΝΩΣΗ ΓΙΑ ΤΗΝ ΠΡΟΩΘΗΣΗ ΤΗΣ ΕΚΠΑΙΔΕΥΤΙΚΗΣ ΚΑΙΝΟΤΟΜΙΑΣ

Lab 1: Climate Change Data Analysis

Objective: Analyze real-world climate change data to interpret trends and patterns.

Materials Needed:

- Access to climate data sources (e.g., NASA's Climate Change website, NOAA Climate Data Online)
- Computers with spreadsheet software (e.g., Microsoft Excel, Google Sheets)
- Graphing tools or software

Procedure:

1. Introduce trainees to various climate data sources and how to navigate them.
2. Guide trainees in selecting a specific climate variable (e.g., temperature, precipitation) and a geographic region of interest.
3. Have trainees download relevant data sets and import them into a spreadsheet.
4. Instruct trainees to analyze the data, calculate averages, and identify trends over time.
5. Encourage trainees to create graphs and visualizations to present their findings.
6. Facilitate a discussion where trainees interpret the data and discuss the implications of their findings on climate change.

Outcome: Trainees will gain practical experience in accessing and analyzing climate data, enhancing their understanding of climate change dynamics.=

Lab 2: Water Conservation Experiment

Objective: Explore water conservation techniques through a hands-on experiment.

Materials Needed:

- Measuring cups or containers
- Water source
- Various household items (e.g., low-flow showerhead, faucet aerator, drip irrigation system)
- Timer or stopwatch

Procedure:

1. Introduce trainees to different water conservation techniques and their effectiveness.
2. Divide trainees into groups and assign each group a specific conservation technique to test.
3. Provide materials and instructions for setting up the experiment.
4. Have trainees measure and record water usage with and without the conservation device over a set period.
5. Guide trainees in analyzing the data and calculating water savings.
6. Facilitate a discussion where trainees compare results, discuss the benefits of water conservation, and brainstorm additional conservation strategies.

Outcome: Trainees will gain practical experience in conducting experiments to quantify water savings and understand the importance of water conservation.

Lab 3: Model United Nations Simulation on Water Governance

Objective: Simulate international negotiations and decision-making processes related to water governance.

Materials Needed:

- Background information on water governance issues (e.g., transboundary water conflicts, access to clean drinking water)
- Role-play materials (e.g., country profiles, negotiation scenarios)
- Classroom space for group discussions and presentations

Procedure:

1. Assign trainees roles representing different countries or stakeholders involved in water governance issues.
2. Provide background information on the assigned roles and the specific water-related challenges they face.
3. Facilitate negotiations and discussions among the trainees, simulating real-world diplomatic interactions.
4. Encourage trainees to develop proposals, negotiate agreements, and present their positions to the class.
5. Debrief the simulation and discuss the outcomes, challenges, and potential solutions to the water governance issues.

Outcome: Trainees will develop negotiation and critical thinking skills while gaining insight into the complexities of international water governance.

Lab 4: Designing Climate Change Education Materials

Objective: Create educational materials on climate change for use in the classroom.

Materials Needed:

- Computers with design software (e.g., Adobe Photoshop, Canva)
- Access to research materials on climate change topics
- Art and craft supplies (optional)

Procedure:

1. Introduce trainees to different types of educational materials (e.g., posters, infographics, lesson plans) used to teach about climate change.
2. Assign trainees to small groups and provide them with specific climate change topics to focus on.
3. Instruct trainees to conduct research on their assigned topic and brainstorm creative ways to present the information.
4. Guide trainees in designing their educational materials using digital tools or traditional art supplies.
5. Have trainees present their materials to the class and explain their design choices.
6. Facilitate a discussion where trainees provide feedback on each other's work and discuss the effectiveness of different educational approaches.

Outcome: Trainees will develop communication and design skills while creating engaging educational materials to raise awareness about climate change.