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| **ΜΕΡΟΣ Α: ΚΑΘΟΡΙΣΜΟΣ PERFORMANCE OBJECTIVES (POs)** | | |
| **CYCLE – BLOCK CONTROL DOCUMENT** | | |
| **CYCLE/BLOCK TITLE:** | |  |
| **PART- 1: PERFORMANCE OBJECTIVES (POs)**  **PO 1:**   * 1. **Performance Statement**.   2. **Conditions**:   3. **Standards**.   4. **Proficiency Level.**   **PO 2:**   1. **Performance Statement**. 2. **Conditions**: 3. **Standards**. 4. **Proficiency Level.**   **PO 3:**   1. **Performance Statement**. 2. **Conditions**: 3. **Standards**. 4. **Proficiency Level:**   **Καθοδήγηση – Ορισμοί για την Υποβοήθηση του Έργου του Διδακτικού Προσωπικού**  **PERFORMANCE OBJECTIVES (POs):** *Details each of the intended outcomes to be addressed through an Education and Training Solution solution, includes a performance statement (essential task), the conditions and prescribed standard to be achieved.*  **PO :**  **Performance Statement**. *A clear, concise and precise statement representing a logical and complete part of the job function, which is observable and measurable.*  **Conditions**: *Conditions provide context and describe the situation, under which the performance must be completed.*  **Standards**. *The Standards describe how and how well performance must be completed.*  **Proficiency Level.** *Specifies a level (100-500) which broadly defines and captures the degree of competence or “expertise” to be achieved on the job.* | | |
| **ΜΕΡΟΣ Β: ΚΑΘΟΡΙΣΜΟΣ Enabling/Learning Objectives (ELO) ΚΑΤΑ ΜΑΘΗΜΑ ΣΕ ΣΧΕΣΗ ΜΕ ΤΟΥΣ ΟΡΙΣΘΕΝΤΕΣ POs** | | |
| **CYCLE – BLOCK CONTROL DOCUMENT - PROGRAMME OF CLASSES** | | |
| **PO 1:**  **ELO 1.1:**   1. **Performance:** 2. **Conditions**: 3. **Standards**: 4. **Assessment:** 5. **Instructional Strategy:**  |  |  |  |  | | --- | --- | --- | --- | | **Content** | **Method & Time** | | **References** | | 1. ***Lesson Title:*** |  |  |  | | *TP 1* |  |  |  | | *TP2* |  |  |  | | *TP3* |  |  |  | | *TP4* |  |  |  | | *TP5* |  |  |  | | 1. ***Lesson Title:*** |  |  |  | | *TP 1* |  |  |  | | *TP2* |  |  |  | | *TP3* |  |  |  | | *TP4* |  |  |  | | *TP5* |  |  |  | | 1. ***Lesson Title:*** |  |  |  | | *TP 1* |  |  |  | | *TP2* |  |  |  | | *TP3* |  |  |  | | *TP4* |  |  |  | | *TP5* |  |  |  | | **Total Time:** |  |  |  |  1. **Depth of Knowledge**: 2. **Limitations:** 3. **Resources:** | | |

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|  | **CYCLE – BLOCK** | | | | | |
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| **Performance Objective** | | | | | |
| **Serial** | **Enabling/Learning Objective Performance statement** | **Conditions** | **Standards** | **Teaching Points (TP)** | | |
| **Lesson Title** | **Method & Time** | **References** |
| **ELO 1.1** |  |  |  |  |  |  |
| **ELO 1.2** |  |  |  |  |  |  |
| **ELO 1.3** |  |  |  |  |  |  |
| **ELO 1.4** |  |  |  |  |  |  |
| **Resources:** | | | | | | |
| **References:** | | | | | | |
| **Assessment:** | | | | | | |
| **Limitations:** | | | | | | |
| **Remarks:** | | | | | | |
| **Καθοδήγηση – Ορισμοί για την Υποβοήθηση του Έργου του Διδακτικού Προσωπικού**  **PO 1:** *Insert the performance statement describing what a learner will be able to do upon completion of a specified Performance Objective (PO).*  **ELO 1.1:**   1. **Performance:** *The statement clear, concise and precise statement representing a logical and complete segment of what is to be learned in order to achieve a PO.* 2. **Conditions**: *A list of the conditions which describe the situation in which learning will occur.* 3. **Standards**: *Defines the level of proficiency that determines if the required level of learning is achieved.* 4. **Assessment:** *The content is captured within the Assessment Plan and a summary is provided here. Practical or Written. Group or Individual. On own or combined with other EOs. Also indicates how the results be used to determine disposition?* 5. **Instructional Strategy:**  |  |  |  |  | | --- | --- | --- | --- | | **Content** | **Method & Time** | | **References** | | 1. ***Lesson Title:*** *A label assigned the 1st grouping of teaching points (TPs)* | *Identify methods* | *An estimate of the time* | *Links content to a source* | | *TP 1* |  |  |  | | *TP2* |  |  |  | | *TP3* |  |  |  | | *TP4* |  |  |  | | *TP5* |  |  |  | | 1. ***Lesson Title:*** *A label assigned to a 2nd grouping of TPs* |  |  |  | | *TP 1* |  |  |  | | *TP2* |  |  |  | | *TP3* |  |  |  | | 1. ***Lesson Title:*** *A label assigned to a 3rd grouping of TPs* |  |  |  | | *TP 1* |  |  |  | | *TP2* |  |  |  | | **Total Time:** |  |  |  |  1. **Depth of Knowledge**: *Specifies a level (100-500) which identifies the level of learning.* 2. **Limitations:** *A description of limitations which prevent the completion of Enabling/Learning Objective.* 3. **Resources:** *Comments that further clarify the design intent captured within the Enabling/Learning Objective.* | | | | | | |

**ΠΑΡΑΔΕΙΓΜΑ Enabling/Learning Objectives - Example**

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| **COURSE CONTROL DOCUMENT III - PROGRAMME OF CLASSES** | |
| **Code:** | **Title: Geo-Spatial Intelligence Analyst** |
| **PO 12:** Interpret Object-Oriented GPS data files.  **ELO 012.01:**   1. **Performance**: Describe general geodesy principles 2. **Conditions**: Given:    1. Orders;    2. ADP and ancillary equipment;    3. Current software and GIS extensions; and    4. GPS data sets. 3. **Standards**: Explain general geodesy by:    1. Identifying the basic terms and concepts for geodesy;    2. Explaining the earth’s dimensions;    3. Describing positioning techniques; and    4. Explaining projections. 4. **Assessment**:30 question multiple choice theory test. 5. **Instructional Strategy**:  |  |  |  |  | | --- | --- | --- | --- | | **Content** | **Method & Time** | | **References** | | **Identify geodesy terms and concepts** | Lecture | 50 min | A: Chap 1, Page 5-7 | | TP1 Introduce the concept of geodesy |  |  |  | | TP2 Define of Geodesy; |  |  |  | | TP3 Explain Pythagoras theory and the use to measure the circumference of the earth |  |  |  | | TP4 Eratosthenes theory used to measure the circumference of the earth. |  |  |  | | **Explain the earth’s dimensions** | Lecture | 100 min | A: Chap 2, Page 29-35 | | TP1 Explain the shape of the earth; |  |  |  | | TP2 Explain Measurement Parameters |  |  |  | | TP3 Define Ellipsoids, Geoids and Spheroids. |  |  |  | | **Describe horizontal positioning techniques** | Lecture | 100 min | A: Chap 4, Page 49-71 | | TP 1 Outline horizontal and vertical Positioning on the Earth’s surface; |  |  |  | | TP2 2D and 3D Cartesian Coordinate System |  |  |  | | TP3 Types of Horizontal Positioning; |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | | **Content** | **Method & Time** | | **References** | | TP4 Polar coordinates, Azimuth, and Bearing Direction Coordinates; |  |  |  | | TP5 True, Grid, and Magnetic North; |  |  |  | | TP6 Curvilinear Coordinate System |  |  |  | | TP7 Time (hours-min-sec) |  |  |  | | TP8 Triangulation, Trilateration, and Traversing; and. |  |  |  | | TP9 Explain the earth’s dimensions |  |  |  | | **Describe vertical positioning** | Lecture | 100 min | A: Chap 5, Page 36-45 | | TP1 Explain Vertical Positioning on the earth’s surface |  |  |  | | TP2 Identify 4 Types of Vertical Positioning |  |  |  | | TP3 Describe precise levelling, trigonometric measurement, barometric and echo sounding |  |  |  | | TP4 Outline Trigonometric Height Measurement |  |  |  | | TP5 2D and 3D Cartesian Coordinate System |  |  |  | | **Explain projections** | Lecture | 100 min | A: Chap 4, Page 49-71 | | TP1 Identify projection characteristics: area, shape, direction, scale; |  |  |  | | TP2 Differentiate projection characteristics: area, shape, direction, scale; |  |  |  | | TP3 Identify types of projections azimuthal, conic, cylindrical; |  |  |  | | TP4 Differentiate projection characteristics: azimuthal, conic, cylindrical; |  |  |  | | TP5 Explain Point of Light Origin (orthographic, stereographic, sinusoidal, mercator, globular). |  |  |  | | **Geodesy Test** | Test | 70 min |  | | **Geodesy Debrief** | Debrief | 30 min |  | | **Total Time:** |  | 550 min |  |  1. **Depth of Knowledge**:**200** 2. **References:** A. Kaula, M. (2000). Theory of Satellite Geodesy: Applications of Satellites To Geodesy. 3. **Limitations**: 4. **Resources**:    1. White board;    2. Globe; and    3. Projection System    4. Student Handout – Geodesy Backgrounder - Handout | |