# **<u>1. BSc Computer Science</u>**

|     | Name and Surname       | Discipline / Specialization    | Teaching courses in the program of study under evaluation<br>(Bachelor of Computer Science) |  |                              |  |  |
|-----|------------------------|--------------------------------|---|--|------------------------------|--|--|
| A/A | Name and Surname       |                                | Code  | Course title   | Total<br>Teaching<br>Periods |  |  |
| 1.  | George Dekoulis        | Digital Hardware Design        | CSC201<br>CSC301<br>MH362<br>CSC107   | Computer Architecture I<br>Computer Architecture II<br>Digital Systems II<br>Digital Logic Design                    | 12                           |  |  |
| 2.  | Charr Jean-Claude      | Computer Science               | CSC202<br>MSE361<br>MSE351M<br>AI241  | Data Structures and Algorithms<br>Compilers<br>Cloud and Distributed systems<br>Convolutional Neural Networks        | 12                           |  |  |
| 3.  | Sotirios D Kotsopoulos | Algorithms                     | CSC207<br>MSE362M<br>AI471<br>MAI481  | Algorithms and Complexity<br>Parallel SystemsImproving Deep Neural Networks<br>Structuring Machine Learning Projects | 12                           |  |  |
| 4.  | Ioannis Kouretas       | Computer Engineering           | MH361<br>MH481<br>MH471   | Electronics II<br>VLSI Design<br>Embedded Systems  | 9                            |  |  |
| 5.  | DimitriosGkritzapis    | Computer Science Applications  | CSC401<br>CSC406<br>CSC306<br>MIS362  | Final Project Phase I<br>Final Project Phase II<br>Research Methods<br>Project Management                            | 12                           |  |  |
| 6.  | EftychiaXerou          | ICT and Educational Technology | CSC108  | Web Technology   | 6                            |  |  |

|     |                         |                                | MIS361                               | Information Systems Concepts   |      |
|-----|-------------------------|--------------------------------|--------------------------------------|--|------|
| 7.  | Anastasia Eleftheriou   | Programming                    | CSM104<br>CSC101<br>CSC403<br>CSM204 | Discrete Mathematics<br>Introduction to Computer Science<br>Digital Image Processing<br>Probabilities and Statistics       | 10.5 |
| 8.  | Christian Salim         | IoT netowrks,dataanalysis,IoT  | EL481<br>MSE481<br>CSC304<br>CSC308  | Search Optimizations and Marketing<br>Big Data Analysis<br>Software Engineering I<br>Software Engineering I                | 12   |
| 9.  | IoannisFilippopoulos    | Information Systems Management | CSC407<br>MIS241<br>EL471            | Information Systems Management<br>System Analysis and Design<br>E-Commerce and the Internet                                | 9    |
| 10. | Angelina Vidali         | Artificial Intelligence        | MAI351<br>MAI352<br>MAI361<br>MAI362 | Machine learning and optimization<br>Hardware for Machine Learning<br>Sequence Models<br>Neural Networks and Deep Learning | 12   |
| 11. | Joseph Antoine Al Asmar | Mathematics/Electronics        | MH241<br>MH351                       | Circuit Analysis<br>Electronics I  | 6    |
| 12. | DimitriosGaliatsatos    | Mathematics                    | CSC402<br>CSC102<br>CSC106<br>CSC302 | Computer Graphics<br>Programming Principles I<br>Programming Principles II<br>Operating Systems                            | 12   |
| 13. | Stavros Katsaronas      | Database Management            | CSC303<br>MSE471<br>MB362            | Databases I<br>Databases II<br>Supply Chain Management   | 9    |
| 14. | Hikmat Farhat           | Programming                    | MSE241<br>CSC203<br>CSC408<br>CSC206 | Advanced Programming<br>Web Programming<br>Advanced Web Programming<br>Artificial Intelligence                             | 12   |

| 15. | Romana Novakovic      | Probabilities and Statistics  | CSM204<br>CSM103<br>CSM109           | Probabilities and Statistics<br>Calculus I<br>Calculus II  | 7.5 |
|-----|-----------------------|---|--------------------------------------|--|-----|
| 16. | Christos Tsamis       | Physics/Mathematics   | CSM205                               | Linear Algebra   | 3   |
| 17. | MariosEfthymiopoulos  | Cybersecurity   | CSC208<br>CSC307<br>MNC481           | Communications and Networks<br>Computer Systems Security<br>Network Security   | 9   |
| 18. | Paulina Y. Moughaizel | English Language and Translation, CELTA   | ENG101<br>ENG102                     | English Language I<br>English Language II  | 6   |
| 19. | Thomas Photiadis      | Multimedia Design   | CSC209                               | Human – Computer Interaction   | 3   |
| 20. | Giorgos Georgiou      | Computer Science  | MG481<br>MNC241<br>MG241             | Commercial Games Development<br>Network Fundamentals<br>Principles of 3D Environments                                | 9   |
| 21. | Ilias Panagiotopoulos | PhD Informatics Science and Technology<br>PhD Aeronautics Science and Technology Dipl. MSc<br>in Mechanical and Aeronautics Engineering | MNC351<br>MNC361<br>MNC362<br>MNC471 | Mobile and Wireless Networks<br>Routing Protocols and Concepts<br>Scaling Networks<br>Connecting Networks            | 12  |
| 22. | MariosKatsioloudes    | Business,Decision Making  | EL472<br>MIS351<br>EL482             | Introduction to Business<br>Organizational Behavior<br>Introduction to Marketing                                     | 9   |
| 23. | AnthonnyTannoury      | 3D Gaming   | MG351<br>MG471<br>MG361<br>MG362     | Scripting for Game Development<br>Smartphone Programming<br>Game Design<br>Artificial Intelligence in Computer Games | 12  |

### COURSE DISTRIBUTION PER SEMESTER

| A/A | Course<br>Type | Course Name                      | Course<br>Code | Periods<br>per<br>week | Instructor               | Number of<br>weeks/<br>Academic<br>semester | Total<br>periods/<br>Academic<br>semester | Number of<br>ECTS |
|-----|----------------|----------------------------------|----------------|------------------------|--------------------------|---|---|-------------------|
|     |                |                                  | A' Sen         | nester                 |                          |   |   |                   |
| 1.  | COMPUL<br>SARY | Introduction to Computer Science | CSC101         | 3                      | Anastasia<br>Eleftheriou | 14  | 42  | 7.5               |
| 2.  | COMPUL<br>SARY | Programming Principles I         | CSC102         | 3                      | Dimitrios<br>Galiatsatos | 14  | 42  | 7.5               |
| 3.  | COMPUL<br>SARY | Calculus I                       | CSM103         | 3                      | Romana<br>Novakovic      | 14  | 42  | 5                 |
| 4.  | COMPUL<br>SARY | Discrete Mathematics             | CSM104         | 3                      | Anastasia<br>Eleftheriou | 14  | 42  | 5                 |
| 5.  | COMPUL<br>SARY | English Language I               | ENG101         | 3                      | Paulina Y.<br>Moughaizel | 14  | 42  | 5                 |
|     |                | •                                | B' Ser         | nester                 | ·                        |   |   |                   |
| 1.  | COMPUL<br>SARY | Programming Principles II        | CSC106         | 3                      | Dimitrios<br>Galiatsatos | 14  | 42  | 7.5               |
| 2.  | COMPUL<br>SARY | Digital Logic Design             | CSC107         | 3                      | George Dekoulis          | 14  | 42  | 7.5               |
| 3.  | COMPUL         | Web Technology                   | CSC108         | 3                      | Eftychia Xerou           | 14  | 42  | 5                 |

|    | SARY           |                                |        |        |   |    |    |     |
|----|----------------|--------------------------------|--------|--------|---|----|----|-----|
| 4. | COMPUL<br>SARY | Calculus II                    | CSM109 | 3      | Dimitrios<br>Galiatsatos                        | 14 | 42 | 5   |
| 5. | COMPUL<br>SARY | English Language II            | ENG102 | 3      | Paulina Y.<br>Moughaizel                        | 14 | 42 | 5   |
|    |                |                                | C' Sei | nester |   | ·  |    |     |
| 1. | COMPUL<br>SARY | Computer Architecture I        | CSC201 | 3      | George Dekoulis                                 | 14 | 42 | 7.5 |
| 2. | COMPUL<br>SARY | Data Structures and Algorithms | CSC202 | 3      | Charr Jean-<br>Claude                           | 14 | 42 | 7.5 |
| 3. | COMPUL<br>SARY | Web Programming                | CSC203 | 3      | Hikmat Farhat                                   | 14 | 42 | 5   |
| 4. | COMPUL<br>SARY | Probabilities and Statistics   | CSM204 | 3      | Anastasia<br>Eleftheriou<br>Romana<br>Novakovic | 14 | 42 | 5   |
| 5. | COMPUL<br>SARY | Linear Algebra                 | CSM205 | 3      | Christos<br>Tsamis                              | 14 | 42 | 5   |
|    |                |                                | D' Sei | nester |   |    |    |     |
| 1. | COMPUL<br>SARY | Artificial Intelligence        | CSC206 | 3      | Hikmat Farhat                                   | 14 | 42 | 7.5 |

| 2.          | COMPUL<br>SARY | Algorithms and Complexity    | CSC207 | 3 | Sotirios D<br>Kotsopoulos | 14 | 42 | 5   |  |  |
|-------------|----------------|------------------------------|--------|---|---------------------------|----|----|-----|--|--|
| 3.          | COMPUL<br>SARY | Communications and Networks  | CSC208 | 3 | Marios<br>Efthymiopoulos  | 14 | 42 | 5   |  |  |
| 4.          | COMPUL<br>SARY | Human – Computer Interaction | CSC209 | 3 | Thomas<br>Photiadis       | 14 | 42 | 5   |  |  |
| 5.          | ELECTIVE       | Major Elective               |        | 3 |                           | 14 | 42 | 7.5 |  |  |
| E' Semester |                |                              |        |   |                           |    |    |     |  |  |
| 1.          | COMPUL<br>SARY | Computer Architecture II     | CSC301 | 3 | George Dekoulis           | 14 | 42 | 7.5 |  |  |
| 2.          | COMPUL<br>SARY | Operating Systems            | CSC302 | 3 | Dimitrios<br>Galiatsatos  | 14 | 42 | 5   |  |  |
| 3.          | COMPUL<br>SARY | Databases I                  | CSC303 | 3 | Stavros<br>Katsaronas     | 14 | 42 | 5   |  |  |
| 4.          | COMPUL<br>SARY | Software Engineering I       | CSC304 | 3 | Christian Salim           | 14 | 42 | 5   |  |  |
| 5.          | ELECTIVE       | Major Elective               |        | 3 |                           | 14 | 42 | 7.5 |  |  |
|             | F' Semester    |                              |        |   |                           |    |    |     |  |  |
| 1.          | COMPUL<br>SARY | Research Methods             | CSC306 | 3 | Dimitrios<br>Gkritzapis   | 14 | 42 | 5   |  |  |
| 2.          | COMPUL         | Computer Systems Security    | CSC307 | 3 | Marios                    | 14 | 42 | 5   |  |  |

|    | SARY           |                                   |        |        | Efthymiopoulos           |    |    |     |  |  |
|----|----------------|-----------------------------------|--------|--------|--------------------------|----|----|-----|--|--|
| 3. | COMPUL<br>SARY | Software Engineering II           | CSC308 | 3      | Christian Salim          | 14 | 42 | 5   |  |  |
| 4. | ELECTIVE       | Major Elective                    |        | 3      |                          | 14 | 42 | 7.5 |  |  |
| 5. | ELECTIVE       | Major Elective                    |        | 3      |                          | 14 | 42 | 7.5 |  |  |
|    |                |                                   | G' Sen | nester |                          |    |    |     |  |  |
| 1. | COMPUL<br>SARY | Final Project Phase I             | CSC401 | 3      | Dimitrios<br>Gkritzapis  | 14 | 42 | 7.5 |  |  |
| 2. | COMPUL<br>SARY | Computer Graphics                 | CSC402 | 3      | Dimitrios<br>Galiatsatos | 14 | 42 | 5   |  |  |
| 3. | COMPUL<br>SARY | Digital Image Processing          | CSC403 | 3      | Anastasia<br>Eleftheriou | 14 | 42 | 5   |  |  |
| 4. | ELECTIVE       | Major Elective                    |        | 3      |                          | 14 | 42 | 7.5 |  |  |
| 5  | ELECTIVE       | Elective                          |        | 3      |                          | 14 | 42 | 5   |  |  |
|    | H' Semester    |                                   |        |        |                          |    |    |     |  |  |
| 1. | COMPUL<br>SARY | Final Project Phase II            | CSC406 | 3      | Dimitrios<br>Gkritzapis  | 14 | 42 | 7.5 |  |  |
| 2. | COMPUL<br>SARY | Information Systems<br>Management | CSC407 | 3      | loannis<br>Filippopoulos | 14 | 42 | 5   |  |  |

| 3. | COMPUL<br>SARY | Advanced Web Programming | CSC408 | 3 | Hikmat Farhat | 14 | 42 | 5   |
|----|----------------|--------------------------|--------|---|---------------|----|----|-----|
| 4. | ELECTIVE       | Major Elective           |        | 3 |               | 14 | 42 | 7.5 |
| 5. | ELECTIVE       | Elective                 |        | 3 |               | 14 | 42 | 5   |

| A/A | Course Type | Course Name                                | Course<br>Code | Year/Semester                    | Instructor                |  |  |
|-----|-------------|--|----------------|----------------------------------|---------------------------|--|--|
|     | I           | Major Electives for the Artificial Intelli | gence (AI) Spe | ecialization                     |                           |  |  |
| 1.  | ELECTIVE    | Machine learning and optimization          | MAI241         | 2 <sup>nd</sup> /4 <sup>th</sup> | Charr Jean-Claude         |  |  |
| 2.  | ELECTIVE    | Hardware for Machine Learning              | MAI351         | 3 <sup>rd</sup> /5 <sup>th</sup> | Angelina Vidali           |  |  |
| 3.  | ELECTIVE    | Sequence Models                            | MAI352         | 3 <sup>rd</sup> /5 <sup>th</sup> | Angelina Vidali           |  |  |
| 4.  | ELECTIVE    | Neural Networks and Deep Learning          | MAI361         | 3 <sup>rd</sup> /6 <sup>th</sup> | Angelina Vidali           |  |  |
| 5.  | ELECTIVE    | Improving Deep Neural Networks             | MAI362         | 3 <sup>rd</sup> /6 <sup>th</sup> | Angelina Vidali           |  |  |
| 6.  | ELECTIVE    | Structuring Machine Learning<br>Projects   | MAI471         | 4 <sup>th</sup> /7 <sup>th</sup> | Sotirios D<br>Kotsopoulos |  |  |
| 7.  | ELECTIVE    | Convolutional Neural Networks              | MAI481         | 4 <sup>th</sup> /8 <sup>th</sup> | Sotirios D<br>Kotsopoulos |  |  |
|     | Electives   |  |                |                                  |                           |  |  |
| 1.  | ELECTIVE    | E-Commerce and the Internet                | EL471          | 4 <sup>th</sup> /7 <sup>th</sup> | Ioannis Filippopoulos     |  |  |

| 3. | ELECTIVE | Introduction to Business                             | EL472 | 4 <sup>th</sup> /7 <sup>th</sup> | Marios Katsioloudes |
|----|----------|--|-------|----------------------------------|---------------------|
| 2. | ELECTIVE | Search Engine Optimization and<br>Internet Marketing | EL481 | 4 <sup>th</sup> /8 <sup>th</sup> | Christian Salim     |
| 4. | ELECTIVE | Introduction to Marketing                            | EL482 | 4 <sup>th</sup> /8 <sup>th</sup> | Marios Katsioloudes |

| A/A | Course Type  | Course Name  | Course<br>Code | Year/Semester                    | Instructor            |  |  |  |  |
|-----|--|--|----------------|----------------------------------|-----------------------|--|--|--|--|
|     | Major Electives for the Mobile Application and Gaming Development Specialization |  |                |                                  |                       |  |  |  |  |
| 1.  | ELECTIVE   | Principles of 3D Environments                        | MG241          | 2 <sup>nd</sup> /4 <sup>th</sup> | Anthonny Tannoury     |  |  |  |  |
| 2.  | ELECTIVE   | Scripting for Game Development                       | MG351          | 3 <sup>rd</sup> /5 <sup>th</sup> | Anthonny Tannoury     |  |  |  |  |
| 3.  | ELECTIVE   | Game Design  | MG361          | 3 <sup>rd</sup> /6 <sup>th</sup> | Anthonny Tannoury     |  |  |  |  |
| 4.  | ELECTIVE   | Artificial Intelligence in Computer<br>Games         | MG362          | 3 <sup>rd</sup> /6 <sup>th</sup> | Anthonny Tannoury     |  |  |  |  |
| 5.  | ELECTIVE   | Smartphone Programming                               | MG471          | 4 <sup>th</sup> /7 <sup>th</sup> | Anthonny Tannoury     |  |  |  |  |
| 6.  | ELECTIVE   | Commercial Games Development                         | MG481          | 4 <sup>th</sup> /8 <sup>th</sup> | Giorgos Georgiou      |  |  |  |  |
|     |  | Electives  |                |                                  |                       |  |  |  |  |
| 1.  | ELECTIVE   | E-Commerce and the Internet                          | EL471          | 4 <sup>th</sup> /7 <sup>th</sup> | Ioannis Filippopoulos |  |  |  |  |
| 3.  | ELECTIVE   | Introduction to Business                             | EL472          | 4 <sup>th</sup> /7 <sup>th</sup> | Marios Katsioloudes   |  |  |  |  |
| 2.  | ELECTIVE   | Search Engine Optimization and<br>Internet Marketing | EL481          | 4 <sup>th</sup> /8 <sup>th</sup> | Christian Salim       |  |  |  |  |

| 4. | ELECTIVE | Introduction to Marketing | EL482 | 4 <sup>th</sup> /8 <sup>th</sup> | MariosK atsioloudes |
|----|----------|---------------------------|-------|----------------------------------|---------------------|
|----|----------|---------------------------|-------|----------------------------------|---------------------|

| A/A | Course Type  | Course Name  | Course<br>Code | Year/Semester                    | Instructor                 |  |  |  |  |  |
|-----|--|--|----------------|----------------------------------|----------------------------|--|--|--|--|--|
|     | Major Electives for the Digital Hardware Design Specialization |  |                |                                  |                            |  |  |  |  |  |
| 1.  | ELECTIVE   | Circuit Analysis                                     | MH241          | 2 <sup>nd</sup> /4 <sup>th</sup> | Joseph Antoine Al<br>Asmar |  |  |  |  |  |
| 2.  | ELECTIVE   | Electronics I  | MH351          | 3 <sup>rd</sup> /5 <sup>th</sup> | Joseph Antoine Al<br>Asmar |  |  |  |  |  |
| 3.  | ELECTIVE   | Electronics II                                       | MH361          | 3 <sup>rd</sup> /6 <sup>th</sup> | Ioannis Kouretas           |  |  |  |  |  |
| 4.  | ELECTIVE   | Digital Systems II                                   | MH362          | 3 <sup>rd</sup> /6 <sup>th</sup> | George Dekoulis            |  |  |  |  |  |
| 5.  | ELECTIVE   | Embedded Systems                                     | MH471          | 4 <sup>th</sup> /7 <sup>th</sup> | Ioannis Kouretas           |  |  |  |  |  |
| 6.  | ELECTIVE   | VLSI Design  | MH481          | 4 <sup>th</sup> /8 <sup>th</sup> | Ioannis Kouretas           |  |  |  |  |  |
|     | •  | Electives  | ·              | •                                |                            |  |  |  |  |  |
| 1.  | ELECTIVE   | E-Commerce and the Internet                          | EL471          | 4 <sup>th</sup> /7 <sup>th</sup> | Ioannis Filippopoulos      |  |  |  |  |  |
| 3.  | ELECTIVE   | Introduction to Business                             | EL472          | 4 <sup>th</sup> /7 <sup>th</sup> | Marios Katsioloudes        |  |  |  |  |  |
| 2.  | ELECTIVE   | Search Engine Optimization and<br>Internet Marketing | EL481          | 4 <sup>th</sup> /8 <sup>th</sup> | Christian Salim            |  |  |  |  |  |
| 4.  | ELECTIVE   | Introduction to Marketing                            | EL482          | 4 <sup>th</sup> /8 <sup>th</sup> | Marios Katsioloudes        |  |  |  |  |  |

| A/A | Course Type | Course Name | Course | Year/Semester | Instructor |
|-----|-------------|-------------|--------|---------------|------------|
|     |             |             |        |               |            |

|    |          |  | Code            |                                  |                           |
|----|----------|--|-----------------|----------------------------------|---------------------------|
|    |          | Major Electives for the Software E                   | Engineering Spe | ecialization                     |                           |
| 1. | ELECTIVE | Advanced Programming                                 | MSE241          | 2 <sup>nd</sup> /4 <sup>th</sup> | Hikmat Farhat             |
| 2. | ELECTIVE | Cloud and Distributed Systems                        | MSE351          | 3 <sup>th</sup> /5 <sup>th</sup> | Charr Jean-Claude         |
| 3. | ELECTIVE | Compilers  | MSE361          | 3 <sup>rd</sup> /6 <sup>th</sup> | Charr Jean-Claude         |
| 4. | ELECTIVE | Parallel Systems                                     | MSE362          | 3 <sup>rd</sup> /6 <sup>th</sup> | Sotirios D<br>Kotsopoulos |
| 5. | ELECTIVE | Databases II   | MSE471          | 4 <sup>th</sup> /7 <sup>th</sup> | Stavros Katsaronas        |
| 6. | ELECTIVE | Big Data Analysis                                    | MSE481          | 4 <sup>th</sup> /8 <sup>th</sup> | Christian Salim           |
|    |          | Electives  | S               |                                  |                           |
| 1. | ELECTIVE | E-Commerce and the Internet                          | EL471           | 4 <sup>th</sup> /7 <sup>th</sup> | Ioannis Filippopoulos     |
| 3. | ELECTIVE | Introduction to Business                             | EL472           | 4 <sup>th</sup> /7 <sup>th</sup> | Marios Katsioloudes       |
| 2. | ELECTIVE | Search Engine Optimization and<br>Internet Marketing | EL481           | 4 <sup>th</sup> /8 <sup>th</sup> | Christian Salim           |
| 4. | ELECTIVE | Introduction to Marketing                            | EL482           | 4 <sup>th</sup> /8 <sup>th</sup> | Marios Katsioloudes       |

| A/A | Course Type   | Course Name                 | Course<br>Code | Year/Semester                    | Instructor            |  |  |  |  |
|-----|---|-----------------------------|----------------|----------------------------------|-----------------------|--|--|--|--|
|     | Major Electives for the Management Information Systems (MIS) Specialization |                             |                |                                  |                       |  |  |  |  |
| 1.  | ELECTIVE  | Systems Analysis and Design | MIS241         | 2 <sup>nd</sup> /4 <sup>th</sup> | Ioannis Filippopoulos |  |  |  |  |

| 2. | ELECTIVE | Organizational Behavior                              | MIS351 | 3 <sup>th</sup> /5 <sup>th</sup> | Marios Katsioloudes   |
|----|----------|--|--------|----------------------------------|-----------------------|
| 3. | ELECTIVE | Information Systems Concepts                         | MIS361 | 3 <sup>rd</sup> /6 <sup>th</sup> | Eftychia Xerou        |
| 4. | ELECTIVE | Project Management                                   | MIS362 | 3 <sup>rd</sup> /6 <sup>th</sup> | Dimitrios Gkritzapis  |
| 5. | ELECTIVE | Databases II   | MSE471 | 4 <sup>th</sup> /7 <sup>th</sup> | Stavros Katsaronas    |
| 6. | ELECTIVE | Supply Chain Management                              | MB362  | 4 <sup>th</sup> /8 <sup>th</sup> | Stavros Katsaronas    |
|    |          | Electives  |        |                                  |                       |
| 1. | ELECTIVE | E-Commerce and the Internet                          | EL471  | 4 <sup>th</sup> /7 <sup>th</sup> | Ioannis Filippopoulos |
| 3. | ELECTIVE | Introduction to Business                             | EL472  | 4 <sup>th</sup> /7 <sup>th</sup> | Marios Katsioloudes   |
| 2. | ELECTIVE | Search Engine Optimization and<br>Internet Marketing | EL481  | 4 <sup>th</sup> /8 <sup>th</sup> | Christian Salim       |
| 4. | ELECTIVE | Introduction to Marketing                            | EL482  | 4 <sup>th</sup> /8 <sup>th</sup> | Marios Katsioloudes   |

| A/A | Course Type   | Course Name                    | Course<br>Code | Year/Semester                    | Instructor            |  |  |  |  |
|-----|---|--------------------------------|----------------|----------------------------------|-----------------------|--|--|--|--|
|     | Major Electives for the Network and Communications Specialization |                                |                |                                  |                       |  |  |  |  |
| 1.  | ELECTIVE  | Network Fundamentals           | MNC241         | 2 <sup>nd</sup> /4 <sup>th</sup> | George Georgiou       |  |  |  |  |
| 2.  | ELECTIVE  | Wireless and Mobile Networks   | MNC351         | 3 <sup>th</sup> /5 <sup>th</sup> | Ilias Panagiotopoulos |  |  |  |  |
| 3.  | ELECTIVE  | Routing protocols and concepts | MNC361         | 3 <sup>rd</sup> /6 <sup>th</sup> | Ilias Panagiotopoulos |  |  |  |  |
| 4.  | ELECTIVE  | Scaling Networks               | MNC362         | 3 <sup>rd</sup> /6 <sup>th</sup> | Ilias Panagiotopoulos |  |  |  |  |

| 5. | ELECTIVE  | Connecting Networks                                  | MNC471 | 4 <sup>th</sup> /7 <sup>th</sup> | Ilias Panagiotopoulos    |  |  |  |
|----|-----------|--|--------|----------------------------------|--------------------------|--|--|--|
| 6. | ELECTIVE  | Network Security                                     | MNC481 | 4 <sup>th</sup> /8 <sup>th</sup> | Marios<br>Efthymiopoulos |  |  |  |
|    | Electives |  |        |                                  |                          |  |  |  |
| 1. | ELECTIVE  | E-Commerce and the Internet                          | EL471  | 4 <sup>th</sup> /7 <sup>th</sup> | Ioannis Filippopoulos    |  |  |  |
| 3. | ELECTIVE  | Introduction to Business                             | EL472  | 4 <sup>th</sup> /7 <sup>th</sup> | Marios Katsioloudes      |  |  |  |
| 2. | ELECTIVE  | Search Engine Optimization and<br>Internet Marketing | EL481  | 4 <sup>th</sup> /8 <sup>th</sup> | Christian Salim          |  |  |  |
| 4. | ELECTIVE  | Introduction to Marketing                            | EL482  | 4 <sup>th</sup> /8 <sup>th</sup> | Marios Katsioloudes      |  |  |  |

| A/A | Course Type   | Course Name                      | Course<br>Code | Year/Semester                    | Instructor              |  |  |  |  |
|-----|---|----------------------------------|----------------|----------------------------------|-------------------------|--|--|--|--|
|     | Major Electives for the Maritime Studies Specialization |                                  |                |                                  |                         |  |  |  |  |
| 1.  | ELECTIVE  | Introduction to Maritime Studies | MM241          | 2 <sup>nd</sup> /4 <sup>th</sup> | Giannis Chatzis         |  |  |  |  |
| 2.  | ELECTIVE  | Regulatory Framework of Shipping | MM351          | 3 <sup>rd</sup> /5 <sup>th</sup> | Giannis Chatzis         |  |  |  |  |
| 3.  | ELECTIVE  | Shipping Economics               | MM361          | 3 <sup>rd</sup> /6 <sup>th</sup> | Christoforos<br>Andreou |  |  |  |  |
| 4.  | ELECTIVE  | Maritime Insurance               | MM362          | 3 <sup>rd</sup> /6 <sup>th</sup> | Giannis Chatzis         |  |  |  |  |
| 5.  | ELECTIVE  | Maritime Law                     | MM471          | 4 <sup>th</sup> /7 <sup>th</sup> | Giannis Chatzis         |  |  |  |  |
| 6.  | ELECTIVE  | Shipping Management              | MM481          | 4 <sup>th</sup> /8 <sup>th</sup> | Giannis Chatzis         |  |  |  |  |

|    | Electives |  |       |                                  |                       |  |  |  |  |
|----|-----------|--|-------|----------------------------------|-----------------------|--|--|--|--|
| 1. | ELECTIVE  | E-Commerce and the Internet                          | EL471 | 4 <sup>th</sup> /7 <sup>th</sup> | Ioannis Filippopoulos |  |  |  |  |
| 3. | ELECTIVE  | Introduction to Business                             | EL472 | 4 <sup>th</sup> /7 <sup>th</sup> | Marios Katsioloudes   |  |  |  |  |
| 2. | ELECTIVE  | Search Engine Optimization and<br>Internet Marketing | EL481 | 4 <sup>th</sup> /8 <sup>th</sup> | Christian Salim       |  |  |  |  |
| 4. | ELECTIVE  | Introduction to Marketing                            | EL482 | 4 <sup>th</sup> /8 <sup>th</sup> | Marios Katsioloudes   |  |  |  |  |

| A/A | Course Type   | Course Name                           | Course<br>Code | Year/Semester                    | Instructor            |  |  |  |  |
|-----|---|---------------------------------------|----------------|----------------------------------|-----------------------|--|--|--|--|
|     | Major Electives for the Oil and Gas Management Specialization |                                       |                |                                  |                       |  |  |  |  |
| 1.  | ELECTIVE  | Introduction to Oil and Gas           | MOG241         | 2 <sup>nd</sup> /4 <sup>th</sup> | Zacharias Petrou      |  |  |  |  |
| 2.  | ELECTIVE  | Introduction to Energy Management     | MOG351         | 3 <sup>rd</sup> /5 <sup>th</sup> | Fotis Moustakis       |  |  |  |  |
| 3.  | ELECTIVE  | Economics for oil and gas industry    | MOG361         | 3 <sup>rd</sup> /6 <sup>th</sup> | Zacharias Petrou      |  |  |  |  |
| 4.  | ELECTIVE  | Oil and Gas Transmission System       | MOG362         | 3 <sup>rd</sup> /6 <sup>th</sup> | Fotis Moustakis       |  |  |  |  |
| 5.  | ELECTIVE  | The International oil and gas markets | MOG471         | 4 <sup>th</sup> /7 <sup>th</sup> | Fotis Moustakis       |  |  |  |  |
| 6.  | ELECTIVE  | Geophysical Methods                   | MOG481         | 4 <sup>th</sup> /8 <sup>th</sup> | Fotis Moustakis       |  |  |  |  |
|     | Electives   |                                       |                |                                  |                       |  |  |  |  |
| 1.  | ELECTIVE  | E-Commerce and the Internet           | EL471          | 4 <sup>th</sup> /7 <sup>th</sup> | Ioannis Filippopoulos |  |  |  |  |

| 3. <b>ELECTIVE</b> Introduction to Business EL472 4 <sup>th</sup> /7 <sup>th</sup> Marios Katsioloudes                      |    |          |                           |       |                                  |                     |
|---|----|----------|---------------------------|-------|----------------------------------|---------------------|
|   | 3. | ELECTIVE | Introduction to Business  | EL472 | 4 <sup>th</sup> /7 <sup>th</sup> | Marios Katsioloudes |
| 2. <b>ELECTIVE</b> Search Engine Optimization and Internet Marketing EL481 4 <sup>th</sup> /8 <sup>th</sup> Christian Salim | 2. | ELECTIVE |                           | EL481 | 4 <sup>th</sup> /8 <sup>th</sup> | Christian Salim     |
| 4. <b>ELECTIVE</b> Introduction to Marketing EL482 4 <sup>th</sup> /8 <sup>th</sup> MariosKatsioloudes                      | 4. | ELECTIVE | Introduction to Marketing | EL482 | 4 <sup>th</sup> /8 <sup>th</sup> | MariosKatsioloudes  |

| A/A | Course Type                  | Course Name                    | Course<br>Code | Year/Semester                    | Instructor                 |  |  |  |  |  |
|-----|------------------------------|--------------------------------|----------------|----------------------------------|----------------------------|--|--|--|--|--|
|     | Major Electives for Business |                                |                |                                  |                            |  |  |  |  |  |
| 1.  | ELECTIVE                     | Accounting Information Systems | MB241          | 2 <sup>nd</sup> /4 <sup>th</sup> | Marina Magkidou            |  |  |  |  |  |
| 2.  | ELECTIVE                     | Teamwork and Collaboration     | MB351          | 3 <sup>rd</sup> /5 <sup>th</sup> | Christakis<br>Charalambous |  |  |  |  |  |
| 3.  | ELECTIVE                     | Strategy & Business Policy     | MB361          | 3 <sup>rd</sup> /6 <sup>th</sup> | Marios<br>Katsioloudes     |  |  |  |  |  |
| 4.  | ELECTIVE                     | Supply Chain Management        | MB362          | 3 <sup>rd</sup> /6 <sup>th</sup> | Stavros Katsaronas         |  |  |  |  |  |
| 5.  | ELECTIVE                     | Analytical Decision Making     | MB471          | 4 <sup>th</sup> /7 <sup>th</sup> | Ioannis<br>Filippopoulos   |  |  |  |  |  |
| 6.  | ELECTIVE                     | Quantitative Methods           | MB481          | 4 <sup>th</sup> /8 <sup>th</sup> | Christakis<br>Charalambous |  |  |  |  |  |
|     | Electives                    |                                |                |                                  |                            |  |  |  |  |  |
| 1.  | ELECTIVE                     | E-Commerce and the Internet    | EL471          | 4 <sup>th</sup> /7 <sup>th</sup> | Ioannis Filippopoulos      |  |  |  |  |  |
| 3.  | ELECTIVE                     | Introduction to Business       | EL472          | 4 <sup>th</sup> /7 <sup>th</sup> | Marios Katsioloudes        |  |  |  |  |  |

| 2. | ELECTIVE | Search Engine Optimization and<br>Internet Marketing | EL481 | 4 <sup>th</sup> /8 <sup>th</sup> | Christian Salim     |
|----|----------|--|-------|----------------------------------|---------------------|
| 4. | ELECTIVE | Introduction to Marketing                            | EL482 | 4 <sup>th</sup> /8 <sup>th</sup> | Marios Katsioloudes |

## TEACHING PERSONNEL, QUALIFICATIONS

|   | Name   | Qualifications   | Rank | FT/PT | Course               |
|---|--|--|------|-------|----------------------|
| 1 | DEAN of the<br>Faculty George<br>Dekoulis          | PhD in Communications<br>BEng Communications                         | Р    | FT    | Computer Science/MIS |
| 2 | HEAD of the<br>Department<br>Charr Jean-<br>Claude | PhD Computer Science<br>MSc Computer Science<br>BSc Computer Science | AP   | FT    | Computer Science/MIS |
| 3 | Christos Tsamis                                    | PhD Physics<br>MSc Microelectronics<br>BSc Physics                   | Р    | FT    | Computer Science/MIS |
| 4 | Hikmat Farhat                                      | PhD AI<br>PhD Chemical Physics<br>BSc Physics                        | Р    | PT    | Computer Science/MIS |
| 5 | Marios<br>Katsioloudes                             | PhD in Business  | Р    | FT    | Computer Science/MIS |

| 6  | Marios<br>Efthymiopoulos   | PhD Cyber Security/Law<br>NATO Defense College<br>MA Diplomacy<br>BA International Relations | AP      | PT | Computer Science/MIS |
|----|----------------------------|--|---------|----|----------------------|
| 7  | Angelina Vidali            | PhD Informatics<br>MSc Algorithms & Computation<br>BSc Mathematics                           | AsP     | FT | Computer Science/MIS |
| 8  | Thomas<br>Photiadis        | PhD Multimedia<br>MA Product Design<br>BSc System Design                                     | AsP     | FT | Computer Science/MIS |
| 9  | Sotirios D<br>Kotsopoulos  | PhD Computation<br>MSc Design<br>BA Design   | AsP     | FT | Computer Science/MIS |
| 10 | Ioannis<br>Filippopoulos   | PhD Computer Networks<br>MBA<br>MSc IT<br>BSc Military Training                              | AsP     | FT | Computer Science/MIS |
| 11 | Joseph Antoine<br>Al Asmar | PhD Automation & Control<br>MSc Mechatronics<br>MSc Physics<br>BSc General Sciences          | AsP/ VP | FT | Computer Science/MIS |
| 12 | Ioannis<br>Kouretas        | PhD VLSI Design<br>MSc IC Design<br>BSc Computer Engineering &<br>Informatics                | AsP     | FT | Computer Science/MIS |
| 13 | Dimitrios<br>Gkritzapis    | PhD Avionics/UAVs<br>BSc Hellenic Police Academy<br>BSc Applied Sciences                     | AsP     | FT | Computer Science/MIS |
| 14 | Romana<br>Novakovic        | PhD in Statistics  | AsP     | FT | Computer Science/MIS |

| 15 | Ilias<br>Panagiotopoulos | PhD Informatics and Technology<br>PhD Aeronautics and Technology<br>Dipl. And MSc Mechanical and<br>Aeronautics Engineering          | AsP    | FT | Computer Science/MIS |
|----|--------------------------|--|--------|----|----------------------|
| 16 | Anthonny<br>Tannoury     | PhD 3D Scene and reconstruction<br>MSc Multimedia and Networking<br>Engineering  | L      | FT | Computer/MIS         |
| 17 | Stavros<br>Katsaronas    | PhD Database Management<br>MSc Digital Systems<br>BSc Computer Science   | L      | PT | Computer Science/MIS |
| 18 | Dimitrios<br>Galiatsatos | PhD Mathematics<br>MSc Statistics & Data Analysis<br>BSc Mathematics   | L      | FT | Computer Science/MIS |
| 19 | Christian Salim          | PhD Computer Science<br>MSc Computer Science<br>BSc Computer Science   | L/VP   | FT | Computer Science/MIS |
| 20 | Anastasia<br>Eleftheriou | PhD Informatics<br>MSc Algorithms & Computation<br>BSc Mathematics   | L      | PT | Computer Science/MIS |
| 21 | Giorgos<br>Georgiou      | MSc Computer Networks<br>BSc Computer Science  | STP/LA | PT | Computer Science/MIS |
| 22 | Eftychia Xerou           | PhD Education Technology<br>MSc ICT<br>MSc Italian<br>BSc Italian  | STP    | PT | Computer Science/MIS |
| 23 | Paulina Y.<br>Moughaizel | Sworn Translator<br>Cambridge CELTA<br>MSc Languages & Translation<br>BSc Languages & Translation<br>Michigan Proficiency in English | STP    | FT | Computer Science/MIS |

|   | Name                     | Position  | Rank                   | PhD  | Qualifications   | FT/PT | Specialization   | Number of<br>Publications | Teaching<br>Years |
|---|--------------------------|---|------------------------|------|--|-------|--|---------------------------|-------------------|
| 1 | George Dekoulis          | DEAN of the<br>Faculty of<br>Sciences &<br>Technology | Professor              | 2007 | PhD in Communications<br>BEng Communications   | FT    | Digital Logic Design, Computer<br>Architecture, Software<br>Engineering, <b>Space</b> Computing,<br>System Level Programming etc | >100                      | 17                |
| 2 | Charr Jean-<br>Claude    | HEAD of the<br>Department                             | Associate<br>Professor | 2009 | PhD Computer Science<br>MSc Computer Science<br>BSc Computer Science                         | FT    | Computer Science, Mathematics,<br>Cloud Computing, Programming,<br>Compilers, AI, Networks etc                                   | 20                        | 13                |
| 3 | Christos Tsamis          | Head of<br>Research                                   | Professor              | 1996 | PhD Physics<br>MSc Microelectronics<br>BSc Physics   | FT    | Mathematics, Physics,<br>Nanoscience, Nanotechnology,<br>autonomous systems, transport,<br>sensors, green technologies etc       | >100                      | 26                |
| 4 | Hikmat Farhat            |   | Professor              | 1999 | PhD Artificial Intelligence<br>PhD Chemical Physics<br>BSc Physics                           | РТ    | Artificial Intelligence, Advanced<br>Programming, Web Programming<br>etc.  | 23                        | 21                |
| 5 | Marios<br>Katsioloudes   |   | Professor              | 1990 | PhD in Business  | FT    | Business, Marketing,<br>Management etc.  | >100                      | 31                |
| 6 | Marios<br>Efthymiopoulos |   | Associate<br>Professor | 2008 | PhD Cyber Security/Law<br>NATO Defense College<br>MA Diplomacy<br>BA International Relations | PT    | Cyber security, Network Security<br>etc.   | 58                        | 13                |
| 7 | Angelina Vidali          | Head of<br>Artificial<br>Intelligence<br>Unit         | Assistant<br>Professor | 2009 | PhD Informatics<br>MSc Algorithms &<br>Computation<br>BSc Mathematics                        | FT    | Artificial Intelligence,<br>Mathematics, Algorithms, Machine<br>Learning, Deep Learning,<br>Hardware etc.                        | 17                        | 10                |

| 8  | Thomas Photiadis           | Assistant<br>Professor                           | 2017 | PhD Multimedia<br>MA Product Design<br>BSc System Design                                | FT | Multimedia, Graphic Arts, Human<br>Computer Interaction etc   | 17 | 10 |
|----|----------------------------|--|------|---|----|---|----|----|
| 9  | Sotirios D<br>Kotsopoulos  | Assistant<br>Professor                           | 2005 | PhD Computation<br>MSc Design<br>BA Design  | FT | Complex Algorithms,<br>Computation, Artificial<br>Intelligence, Parallel Processing,<br>Machine Learning Projects etc.    | 65 | 15 |
| 10 | Ioannis<br>Filippopoulos   | Assistant<br>Professor                           | 2012 | PhD Computer Networks<br>MBA<br>MSc IT<br>BSc Military Training                         | FT | Management Information<br>Systems, System Analysis and<br>Design, E-Commerce, SEO,<br>Internet Technologies etc.          | 23 | 9  |
| 11 | Joseph Antoine Al<br>Asmar | Assistant<br>Professor/<br>Visiting<br>Professor | 2015 | PhD Automation & Control<br>MSc Mechatronics<br>MSc Physics<br>BSc General Sciences     | FT | Mathematics, Electronics,<br>Automation, Programming etc.   | 14 | 10 |
| 12 | Ioannis Kouretas           | Assistant<br>Professor                           | 2012 | PhD VLSI Design<br>MSc IC Design<br>BSc Computer Engineering<br>& Informatics           | FT | Computer Engineering,<br>Electronics, VLSI, Embedded<br>Systems etc   | 36 | 17 |
| 13 | Dimitrios<br>Gkritzapis    | Assistant<br>Professor                           | 2009 | PhD UAVs/Unmanned<br>Vehicles<br>BSc Hellenic Police<br>Academy<br>BSc Applied Sciences | FT | UAVs, Project Management,<br>Research in Advanced and Future<br>Technologies for the Police etc                           | 24 | 13 |
| 14 | Romana<br>Novakovic        | Assistant<br>Professor                           | 2013 | PhD in Statistics   | FT | Mathematics, Statistics,<br>Probabilities, Calculus, Public E-<br>Health etc.   | 15 | 4  |
| 15 | llias<br>Panagiotopoulos   | Assistant<br>Professor                           | 2008 | PhD Informatics and<br>Technology<br>PhD Aeronautics and<br>Technology                  | FT | Informatics, Network Security,<br>Mobile Networks, Wireless<br>Networks, Communications<br>Technologies, Protocols, UAVs, | 49 | 11 |

|    |                          |                                 |   |              | Dipl. And MSc Mechanical<br>and Aeronautics Engineering                            |    | Unmanned Technologies,<br>Hardware etc.   |    |    |
|----|--------------------------|---------------------------------|---|--------------|--|----|---|----|----|
| 16 | Anthonny<br>Tannoury     |                                 | Assistant<br>Professor                          | 2018         | PhD 3D Scene and<br>reconstruction<br>MSc Multimedia and<br>Networking Engineering | FT | <b>3D Gaming</b> , Game Design and<br>Development, Mobile Applications<br>Programming, Artificial<br>Intelligence etc.  | 3  | 7  |
| 17 | Stavros<br>Katsaronas    | Strategic<br>Project<br>Manager | Lecturer  | 1988         | PhD Database Management<br>MSc Digital Systems<br>BSc Computer Science             | PT | Databases, Management,<br>Computer Science etc  | 2  | 9  |
| 18 | Dimitrios<br>Galiatsatos |                                 | Lecturer  | 2019         | PhD Mathematics<br>MSc Statistics & Data<br>Analysis<br>BSc Mathematics            | FT | Mathematics, Statistics,<br>Probabilities, Calculus, Public E-<br>Health, Biomedicine etc.                              | 10 | 4  |
| 19 | Christian Salim          |                                 | Lecturer<br>/Visiting<br>Lecturer               | 2018         | PhD Computer Science<br>MSc Computer Science<br>BSc Computer Science               | FT | Computer Science, IoT Networks,<br>Data Analysis, Big Data, Search<br>Engine Optimization, Software<br>Engineering etc. | 12 | 5  |
| 20 | Anastasia<br>Eleftheriou |                                 | Lecturer  | 2013         | PhD Informatics<br>MSc Algorithms &<br>Computation<br>BSc Mathematics              | PT | Artificial Intelligence,<br>Mathematics, Statistics, Digital<br>Technologies, Digital Image<br>Processing etc.          | 6  | 3  |
| 21 | Giorgos Georgiou         |                                 | Special<br>Teaching<br>Staff / Lab<br>Assistant | -            | MSc Computer Networks<br>BSc Computer Science                                      | PT | Computer Science, 3D Game<br>Design and Development,<br>Networks etc.   | -  | 10 |
| 22 | Eftychia Xerou           |                                 | Special<br>Teaching<br>Staff                    | -<br>in 2021 | PhD Education Technology<br>MSc ICT<br>MSc Italian<br>BSc Italian                  | PT | ICT and Educational Technology,<br>Web Technology, Information<br>Systems, Robotics, Digital Skills<br>etc.             | 6  | 11 |
| 23 | Paulina Y.               |                                 | Special<br>Teaching                             | -            | Sworn Translator<br>Cambridge CELTA  | FT | English Language and  | 12 | 3  |

| Mougł | aizel | Staff | MSc Languages &         | Translation, CELTA |  |
|-------|-------|-------|-------------------------|--------------------|--|
|       |       |       | Translation             |                    |  |
|       |       |       | BSc Languages &         |                    |  |
|       |       |       | Translation             |                    |  |
|       |       |       | Michigan Proficiency in |                    |  |
|       |       |       | English                 |                    |  |
|       |       |       |                         |                    |  |

### LIST OF COMPULSORY COURSES AND ELECTIVE COURSES

| A/A | Course Type | Course Name                      | Course<br>Code |  |  |  |  |  |  |
|-----|-------------|----------------------------------|----------------|--|--|--|--|--|--|
|     | Semester A  |                                  |                |  |  |  |  |  |  |
| 1.  | COMPULSARY  | Introduction to Computer Science | CSC101         |  |  |  |  |  |  |
| 2.  | COMPULSARY  | Programming Principles I         | CSC102         |  |  |  |  |  |  |
| 3.  | COMPULSARY  | Calculus I                       | CSM103         |  |  |  |  |  |  |
| 4.  | COMPULSARY  | Discrete Mathematics             | CSM104         |  |  |  |  |  |  |
| 5.  | COMPULSARY  | English language I               | ENG101         |  |  |  |  |  |  |

|    |            | Semester B                     |        |
|----|------------|--------------------------------|--------|
| 1. | COMPULSARY | Programming Principles II      | CSC106 |
| 2. | COMPULSARY | Digital Logical Design         | CSC107 |
| 3. | COMPULSARY | Web Technology                 | CSC108 |
| 4. | COMPULSARY | Calculus II                    | CSM109 |
| 5. | COMPULSARY | English Language II            | ENG102 |
|    |            | Semester C                     |        |
| 1. | COMPULSARY | Computer Architecture I        | CSC201 |
| 2. | COMPULSARY | Data Structures and Algorithms | CSC202 |
| 3. | COMPULSARY | Web Programming                | CSC203 |
| 4. | COMPULSARY | Probabilities and Statistics   | CSM204 |
| 5. | COMPULSARY | Linear Algebra                 | CSM205 |
|    |            | Semester D                     |        |
| 1. | COMPULSARY | Artificial Intelligence        | CSC206 |
| 2. | COMPULSARY | Algorithms and Complexity      | CSC207 |
| 3. | COMPULSARY | Communications and Networks    | CSC208 |

| 4  | COMPULSARY | Human – Computer Interaction | CSC209 |  |  |  |
|----|------------|------------------------------|--------|--|--|--|
| 5. | ELECTIVE   | Major Elective               |        |  |  |  |
|    |            | Semester E                   |        |  |  |  |
| 1. | COMPULSARY | Computer Architecture II     | CSC301 |  |  |  |
| 2. | COMPULSARY | Operating Systems            | CSC302 |  |  |  |
| 3. | COMPULSARY | Databases I                  | CSC303 |  |  |  |
| 4. | COMPULSARY | Software Engineering I       | CSC304 |  |  |  |
| 5. | ELECTIVE   | Major Elective               |        |  |  |  |
|    |            | Semester F                   |        |  |  |  |
| 1. | COMPULSARY | Research Methods             | CSC306 |  |  |  |
| 2. | COMPULSARY | Computer Systems Security    | CSC307 |  |  |  |
| 3. | COMPULSARY | Software Engineering II      | CSC308 |  |  |  |
| 4. | ELECTIVE   | Major Elective               |        |  |  |  |
| 5. | ELECTIVE   | Major Elective               |        |  |  |  |
|    | Semester G |                              |        |  |  |  |
| 1. | COMPULSARY | Final Project Phase I        | CSC401 |  |  |  |
|    |            |                              |        |  |  |  |

| 2. | COMPULSARY | Computer Graphics                 | CSC402 |
|----|------------|-----------------------------------|--------|
| 3. | COMPULSARY | Digital Image Processing          | CSC403 |
| 4. | ELECTIVE   | Major Elective                    |        |
| 5. | ELECTIVE   | Major Elective                    |        |
|    |            | Semester H                        |        |
| 1. | COMPULSARY | Final Project Phase II            | CSC406 |
| 2. | COMPULSARY | Information Systems<br>Management | CSC407 |
| 3. | COMPULSARY | Advanced Web Programming          | CSC408 |
| 4. | ELECTIVE   | Major Elective                    |        |
| 5. | ELECTIVE   | Elective                          |        |

# **2. BSc Management Information Systems (MIS)**

| A/A | Name and Surname      | Discipline / Specialization                            | -                                  | Feaching courses in the program of study under evalu<br>(Bachelor of Management Information Systems)                      |               |
|-----|-----------------------|--|------------------------------------|---|---------------|
|     |                       |  | Code                               | Course title  | Total Periods |
| 1.  | Marina Magidou        | Economics and Finance, Internet and Marketing Service  | MIS101<br>MIS243<br>MB241          | Principles of Microeconomics<br>Introduction to Management<br>Accounting Information systems                              | 12            |
| 2.  | Hikmat Farhat         | Programming  | CSC203<br>MSE241                   | Web Programming<br>Advanced Programming   | 6             |
| 3.  | Giorgos Georgiou      | Computer Science                                       | MIS107<br>MIS403<br>MIS242         | Business Software Applications<br>Applied Data Communications<br>Technologies for the Social Web                          | 9             |
| 4.  | Marios Efthymiopoulos | Strategy and Business Policy, Cyber security, Networks | MIS205<br>CSC208                   | Business Law<br>Communications and Networks   | 9             |
| 5.  | Dimitrios Galiatsatos | Mathematics  |                                    |   |               |
| 6.  | Ioannis Filippopoulos | Information Systems Management                         | CSC407<br>MIS241<br>MB471<br>EL471 | Information System Management<br>Systems Analysis and Design<br>Analytical Decision Making<br>E-commerce and the Internet | 12            |
| 7.  | Dimitrios Gkritzapis  | Project Management                                     | MIS362<br>CSC401<br>CSC406         | Project Management<br>Final Project Phase I<br>Final Project Phase II I   | 12            |

|     |                         |  | CSC306                               | Research Methods   |     |
|-----|-------------------------|--|--------------------------------------|--|-----|
| 8.  | Eftychia Xerou          | Information Communication Technology and<br>Educational Technology | CSC108<br>MIS471<br>MIS361<br>MIS363 | Web Technology<br>E-Business<br>Information Systems Concepts<br>IT Audit and Controls      | 12  |
| 9.  | Christakis Charalambous | Linear Programming   | MIS209<br>MB481<br>MB351             | Statistical Applications in Business<br>Quantitative Methods<br>Teamwork and Collaboration | 9   |
| 10. | Stavros Katsaronas      | Strategic Project Manager, Database Management                     | MIS301<br>CSC303<br>MSE471<br>MB362  | Management Innovation Technology<br>Databases I<br>Databases II<br>Supply Chain Management | 12  |
| 11. | George Dekoulis         | Logic Design   | -                                    | -  | 0   |
| 12. | Romana Novakovic        | Probabilities and Statistics                                       | CSM204<br>CSM103                     | Probabilities and Statistics<br>Calculus I   | 4.5 |
| 13. | Anastasia Eleftheriou   | Programming/Mathematics  | CSM204                               | Probabilities and Statistics   | 1.5 |
| 14. | Paulina Y. Moughaizel   | English Language and Translation, CELTA                            | ENG101<br>ENG102                     | English Language I<br>English Language II  | 6   |
| 15. | Thomas Photiadis        | Multimedia Design  | -                                    | -  | 0   |
| 16. | Christoforos Andreou    | Accounting and Finance   | MM361                                | Shipping Economics   | 3   |
| 17. | Charr Jean-Claude       | Distributed Systems, Algorithms                                    | MSE351<br>CSC202                     | Cloud and Distributed Systems<br>Data Structures and Algorithms                            | 6   |
| 18. | Marios Katsioloudes     | Business, Marketing  | MB361<br>EL472<br>MIS351             | Strategy and Business Policy<br>Introduction to Business<br>Organizational Behavior        | 12  |

|     |                  |                                  | EL482                                     | Introduction to Marketing  |    |
|-----|------------------|----------------------------------|---|--|----|
| 19. | Giannis Hatzis   | Maritime Studies                 | MM241<br>MM351<br>MM362<br>MM471<br>MM481 | Introduction to Maritime Studies<br>Regulatory Framework of Shipping<br>Maritime Insurance<br>Maritime Law<br>Shipping Management    | 15 |
| 20. | Fotis Moustakis  | Oil and Gas Studies              | MOG241<br>MOG362<br>MOG471<br>MOG481      | Introduction to Energy Management<br>Oil and Gas Transmission System<br>The International Oil and Gas Markets<br>Geophysical Methods | 12 |
| 22  | Angelina Vidali  | Artificial Intelligence          |   |  |    |
| 23  | Zacharias Petrou | Shipping, Accounting and Finance | MIS104<br>MIS109<br>MOG241<br>MOG361      | Accounting I<br>Accounting II<br>Introduction to Oil and Gas<br>Economics for Oil and Gas Industry                                   | 12 |
| 24  | Christian Salim  | IoT Networks, Data Analysis, IoT | EL471<br>EL481                            | E- Commerce and the Internet<br>Search Engine Optimization and Internet Marketing  | 6  |

### COURSE DISTRIBUTION PER SEMESTER

| A/A | Course<br>Type | Course Name                       | Course<br>Code | Periods<br>per week | Instructor        | Number of<br>weeks/<br>Academic<br>semester | Total<br>periods/<br>Academic<br>semester | Number of<br>ECTS |
|-----|----------------|-----------------------------------|----------------|---------------------|-------------------|---|---|-------------------|
|     |                |                                   | A' Sen         | nester              |                   |   |   |                   |
| 1.  | COMPUL<br>SARY | Principles of Microeconomics      | MIS101         | 3                   | MarinaMagid<br>ou | 14  | 42  | 7.5               |
| 2.  | COMPUL<br>SARY | Programming Principles I          | CSC102         | 3                   | 60                | 14  | 42  | 7.5               |
| 3.  | COMPUL<br>SARY | Calculus I                        | CSM103         | 3                   | 60                | 14  | 42  | 5                 |
| 4.  | COMPUL<br>SARY | Accounting I                      | MIS104         | 3                   | 60                | 14  | 42  | 5                 |
| 5.  | COMPUL<br>SARY | English Language I                | ENG101         | 3                   | 60                | 14  | 42  | 5                 |
|     |                |                                   | B' Ser         | nester              |                   |   |   |                   |
| 1.  | COMPUL<br>SARY | Programming Principles II         | CSC106         | 3                   | 60                | 14  | 42  | 7.5               |
| 2.  | COMPUL<br>SARY | Business Software<br>Applications | MIS107         | 3                   | 60                | 14  | 42  | 7.5               |

| 3. | COMPUL<br>SARY | Web Technology               | CSC108 | 3      | 60 | 14 | 42 | 5   |
|----|----------------|------------------------------|--------|--------|----|----|----|-----|
| 4. | COMPUL<br>SARY | Accounting II                | MIS109 | 3      | 60 | 14 | 42 | 5   |
| 5. | COMPUL<br>SARY | English Language II          | ENG102 | 3      | 60 | 14 | 42 | 5   |
|    |                |                              | C' Se  | mester |    |    |    |     |
| 1. | COMPUL<br>SARY | Organizational Behaviour     | MIS351 | 3      | 60 | 14 | 42 | 7.5 |
| 2. | COMPUL<br>SARY | E-Business                   | MIS471 | 3      | 60 | 14 | 42 | 7.5 |
| 3. | COMPUL<br>SARY | Web Programming              | CSC203 | 3      | 60 | 14 | 42 | 5   |
| 4. | COMPUL<br>SARY | Probabilities and Statistics | CSM204 | 3      | 60 | 14 | 42 | 5   |
| 5. | COMPUL<br>SARY | Business Law                 | MIS205 | 3      | 60 | 14 | 42 | 5   |
|    |                |                              | D' Se  | mester |    |    |    |     |
| 1. | COMPUL<br>SARY | Artificial Intelligence      | CSC206 | 3      | 60 | 14 | 42 | 7.5 |
|    |                |                              |        |        |    |    |    |     |

| 2. | COMPUL<br>SARY | Systems Analysis and Design          | MIS241 | 3      | 60                | 14 | 42 | 5   |
|----|----------------|--------------------------------------|--------|--------|-------------------|----|----|-----|
| 3. | COMPUL<br>SARY | Introduction to Management           | MIS243 | 3      | MarinaMagid<br>ou | 14 | 42 | 5   |
| 4. | COMPUL<br>SARY | Statistical Applications in Business | MIS209 | 3      | 60                | 14 | 42 | 5   |
| 5. | COMPUL<br>SARY | Major Elective                       |        | 3      | 60                | 14 | 42 | 7.5 |
|    |                |                                      | E' Sen | nester |                   |    |    |     |
| 1. | COMPUL<br>SARY | Management Innovation<br>Technology  | MIS301 | 3      | 60                | 14 | 42 | 7.5 |
| 2. | COMPUL<br>SARY | Data Structures and Algorithms       | CSC202 | 3      | 60                | 14 | 42 | 5   |
| 3. | COMPUL<br>SARY | Databases I                          | CSC303 | 3      | 60                | 14 | 42 | 5   |
| 4. | COMPUL<br>SARY | Software Engineering I               | CSC304 | 3      | 60                | 14 | 42 | 5   |
| 4. | ELECTIVE       | Major Elective                       |        | 3      | 60                | 14 | 42 | 7.5 |
|    |                |                                      | F' Sen | nester |                   |    |    |     |
| 1. | COMPUL         | Research Methods                     | CSC306 | 3      | 60                | 14 | 42 | 5   |

|    | SARY           |                              |        |        |    |    |    |     |
|----|----------------|------------------------------|--------|--------|----|----|----|-----|
| 2. | COMPUL<br>SARY | Information Systems Concepts | MIS361 | 3      | 60 | 14 | 42 | 5   |
| 3. | COMPUL<br>SARY | Software Engineering II      | CSC308 | 3      | 60 | 14 | 42 | 5   |
| 4. | ELECTIVE       | Major Elective               |        | 3      | 60 | 14 | 42 | 7.5 |
| 4. | ELECTIVE       | Major Elective               |        | 3      | 60 | 14 | 42 | 7.5 |
|    |                |                              | G' Se  | mester |    |    |    |     |
| 1. | COMPUL<br>SARY | Final Project Phase I        | CSC401 | 3      | 60 | 14 | 42 | 7.5 |
| 2. | COMPUL<br>SARY | Connecting Networks          | MNC471 | 3      | 60 | 14 | 42 | 5   |
| 3. | COMPUL<br>SARY | Applied Data Communications  | MIS403 | 3      | 60 | 14 | 42 | 5   |
| 4. | ELECTIVE       | Major Elective               |        | 3      | 60 | 14 | 42 | 7.5 |
| 5. | ELECTIVE       | Elective                     |        | 3      | 60 | 14 | 42 | 5   |
|    |                |                              | H' Se  | mester |    |    |    |     |
| 1. | COMPUL<br>SARY | Final Project Phase II       | CSC406 | 3      | 60 | 14 | 42 | 7.5 |

| 2. | COMPUL<br>SARY | Information Systems<br>Management | CSC407 | 3 | 60 | 14 | 42 | 5   |
|----|----------------|-----------------------------------|--------|---|----|----|----|-----|
| 3. | COMPUL<br>SARY | Communications and Networks       | CSC208 | 3 | 60 | 14 | 42 | 5   |
| 4. | ELECTIVE       | Major Elective                    |        | 3 | 60 | 14 | 42 | 7.5 |
| 5. | ELECTIVE       | Elective                          |        | 3 | 60 | 14 | 42 | 5   |

| A/A | Course Type | Course Name                                | Course<br>Code | Year/Semester                    |
|-----|-------------|--|----------------|----------------------------------|
|     | Major Elect | tives for the Artificial Intelligence (AI) | Specialization |                                  |
| 1.  | ELECTIVE    | Machine learning and optimization          | MAI241         | 2 <sup>nd</sup> /4 <sup>th</sup> |
| 2.  | ELECTIVE    | Hardware for Machine Learning              | MAI351         | 3 <sup>rd</sup> /5 <sup>th</sup> |
| 3.  | ELECTIVE    | Sequence Models                            | MAI352         | 3 <sup>rd</sup> /5 <sup>th</sup> |
| 4.  | ELECTIVE    | Neural Networks and Deep Learning          | MAI361         | 3 <sup>rd</sup> /6 <sup>th</sup> |
| 5.  | ELECTIVE    | Improving Deep Neural Networks             | MAI362         | 3 <sup>rd</sup> /6 <sup>th</sup> |
| 6.  | ELECTIVE    | Structuring Machine Learning<br>Projects   | MAI471         | 4 <sup>th</sup> /7 <sup>th</sup> |
| 7.  | ELECTIVE    | Convolutional Neural Networks              | MAI481         | 4 <sup>th</sup> /8 <sup>th</sup> |

|    | Electives |  |       |                                  |  |  |
|----|-----------|--|-------|----------------------------------|--|--|
| 1. | ELECTIVE  | E-Commerce and the Internet                          | EL471 | 4 <sup>th</sup> /7 <sup>th</sup> |  |  |
| 3. | ELECTIVE  | Introduction to Business                             | EL472 | 4 <sup>th</sup> /7 <sup>th</sup> |  |  |
| 2. | ELECTIVE  | Search Engine Optimization and<br>Internet Marketing | EL481 | 4 <sup>th</sup> /8 <sup>th</sup> |  |  |
| 4. | ELECTIVE  | Introduction to Marketing                            | EL482 | 4 <sup>th</sup> /8 <sup>th</sup> |  |  |

| A/A | Course Type             | Course Name                               | Course<br>Code | Year/Semester                    |
|-----|-------------------------|---|----------------|----------------------------------|
|     | Major Electives for the | e Molbile Application and Gaming De       | velopment Spe  | ecialization                     |
| 1.  | ELECTIVE                | Principles of 3D environments             | MG241          | 2 <sup>nd</sup> /4 <sup>th</sup> |
| 2.  | ELECTIVE                | Scripting for game development            | MG351          | 3 <sup>rd</sup> /5 <sup>th</sup> |
| 3.  | ELECTIVE                | Game Design                               | MG361          | 3 <sup>rd</sup> /6 <sup>th</sup> |
| 4.  | ELECTIVE                | Artificial Intelligence in computer games | MG362          | 3 <sup>rd</sup> /6 <sup>th</sup> |
| 5.  | ELECTIVE                | Smartphone Programming                    | MG471          | 4 <sup>th</sup> /7 <sup>th</sup> |
| 6.  | ELECTIVE                | Commercial Games Development              | MG481          | 4 <sup>th</sup> /8 <sup>th</sup> |

|    | Electives |  |       |                                  |  |  |
|----|-----------|--|-------|----------------------------------|--|--|
| 1. | ELECTIVE  | E-Commerce and the Internet                          | EL471 | 4 <sup>th</sup> /7 <sup>th</sup> |  |  |
| 3. | ELECTIVE  | Introduction to Business                             | EL472 | 4 <sup>th</sup> /7 <sup>th</sup> |  |  |
| 2. | ELECTIVE  | Search Engine Optimization and<br>Internet Marketing | EL481 | 4 <sup>th</sup> /8 <sup>th</sup> |  |  |
| 4. | ELECTIVE  | Introduction to Marketing                            | EL482 | 4 <sup>th</sup> /8 <sup>th</sup> |  |  |

| A/A  | Course Type | Course Name        | Course<br>Code | Year/Semester                    |  |  |  |
|--|-------------|--------------------|----------------|----------------------------------|--|--|--|
| Major Electives for the Digital Hardware Design Specialization |             |                    |                |                                  |  |  |  |
| 1.   | ELECTIVE    | Circuit Analysis   | MH241          | 2 <sup>nd</sup> /4 <sup>th</sup> |  |  |  |
| 2.   | ELECTIVE    | Electronics I      | MH351          | 3 <sup>rd</sup> /5 <sup>th</sup> |  |  |  |
| 3.   | ELECTIVE    | Electronics II     | MH361          | 3 <sup>rd</sup> /6 <sup>th</sup> |  |  |  |
| 4.   | ELECTIVE    | Digital Systems II | MH362          | 3 <sup>rd</sup> /6 <sup>th</sup> |  |  |  |
| 5.   | ELECTIVE    | Embeded Systems    | MH471          | 4 <sup>th</sup> /7 <sup>th</sup> |  |  |  |

| 6.        | ELECTIVE | VLSI Design  | MH481 | 4 <sup>th</sup> /8 <sup>th</sup> |  |  |  |
|-----------|----------|--|-------|----------------------------------|--|--|--|
| Electives |          |  |       |                                  |  |  |  |
| 1.        | ELECTIVE | E-Commerce and the Internet                          | EL471 | 4 <sup>th</sup> /7 <sup>th</sup> |  |  |  |
| 3.        | ELECTIVE | Introduction to Business                             | EL472 | 4 <sup>th</sup> /7 <sup>th</sup> |  |  |  |
| 2.        | ELECTIVE | Search Engine Optimization and<br>Internet Marketing | EL481 | 4 <sup>th</sup> /8 <sup>th</sup> |  |  |  |
| 4.        | ELECTIVE | Introduction to Marketing                            | EL482 | 4 <sup>th</sup> /8 <sup>th</sup> |  |  |  |

| A/A   | Course Type | Course Name               | Course<br>Code | Year/Semester                    |  |  |  |
|---|-------------|---------------------------|----------------|----------------------------------|--|--|--|
| Major Electives for the Software Engineering Specialization |             |                           |                |                                  |  |  |  |
| 1.  | ELECTIVE    | Digital Logic Design      | CSC107         | 2 <sup>nd</sup> /4 <sup>th</sup> |  |  |  |
| 2.  | ELECTIVE    | Computer Architecture I   | CSC201         | 3 <sup>rd</sup> /5 <sup>th</sup> |  |  |  |
| 3.  | ELECTIVE    | Advanced Programming      | MSE241         | 3 <sup>rd</sup> /6 <sup>th</sup> |  |  |  |
| 4.  | ELECTIVE    | Algorithms and Complexity | CSC207         | 3 <sup>rd</sup> /6 <sup>th</sup> |  |  |  |

| 5. | ELECTIVE                             | Databases II   | MSE471                                 | 4 <sup>th</sup> /7 <sup>th</sup> |  |  |
|----|--------------------------------------|--|--|----------------------------------|--|--|
| 6. | ELECTIVE                             | Big Data Analysis                                    | MSE481                                 | 4 <sup>th</sup> /8 <sup>th</sup> |  |  |
|    | Electives Network and Communications |  |  |                                  |  |  |
| 1. | ELECTIVE                             | E-Commerce and the Internet                          | EL471                                  | 4 <sup>th</sup> /7 <sup>th</sup> |  |  |
| 3. | ELECTIVE                             | Introduction to Business                             | EL472                                  | 4 <sup>th</sup> /7 <sup>th</sup> |  |  |
| 2. | ELECTIVE                             | Search Engine Optimization and<br>Internet Marketing | EL481                                  | 4 <sup>th</sup> /8 <sup>th</sup> |  |  |
| 4. | ELECTIVE                             | Introduction to Marketing                            | EL482 4 <sup>th</sup> /8 <sup>th</sup> |                                  |  |  |

| A/A   | Course Type | Course Name C                   |        | Year/Semester                    |  |  |
|---|-------------|---------------------------------|--------|----------------------------------|--|--|
| Major Electives for the Management Information Systems (MIS) Specialization |             |                                 |        |                                  |  |  |
| 1.  | ELECTIVE    | Technologies for the social Web | MIS242 | 2 <sup>nd</sup> /4 <sup>th</sup> |  |  |
| 2.  | ELECTIVE    | Operating Systems               | CSC302 | 3 <sup>rd</sup> /5 <sup>th</sup> |  |  |
| 3.  | ELECTIVE    | IT Audit and Controls           | MIS363 | 3 <sup>rd</sup> /6 <sup>th</sup> |  |  |

| 4. | ELECTIVE  | Project Management                                   | MIS362 | 3 <sup>rd</sup> /6 <sup>th</sup> |  |  |
|----|-----------|--|--------|----------------------------------|--|--|
| 5. | ELECTIVE  | Databases II   | MSE471 | 4 <sup>th</sup> /7 <sup>th</sup> |  |  |
| 6. | ELECTIVE  | Advanced Programming                                 | MSE241 | 4 <sup>th</sup> /8 <sup>th</sup> |  |  |
|    | Electives |  |        |                                  |  |  |
| 1. | ELECTIVE  | E-Commerce and the Internet                          | EL471  | 4 <sup>th</sup> /7 <sup>th</sup> |  |  |
| 3. | ELECTIVE  | Introduction to Business                             | EL472  | 4 <sup>th</sup> /7 <sup>th</sup> |  |  |
| 2. | ELECTIVE  | Search Engine Optimization and<br>Internet Marketing | EL481  | 4 <sup>th</sup> /8 <sup>th</sup> |  |  |
| 4. | ELECTIVE  | Introduction to Marketing                            | EL482  | 4 <sup>th</sup> /8 <sup>th</sup> |  |  |

| A/A   | Course Type | Course Name                  | Course<br>Code | Year/Semester                    |  |  |
|---|-------------|------------------------------|----------------|----------------------------------|--|--|
| Major Electives for the Network and Communications Specialization |             |                              |                |                                  |  |  |
| 1.  | ELECTIVE    | Network Fundamentals         | MNC241         | 2 <sup>nd</sup> /4 <sup>th</sup> |  |  |
| 2.  | ELECTIVE    | Wireless and Mobile Networks | MNC351         | 3 <sup>rd</sup> /5 <sup>th</sup> |  |  |

| 3. | ELECTIVE  | Routing protocols and concepts                       | MNC361 | 3 <sup>rd</sup> /6 <sup>th</sup> |  |  |
|----|-----------|--|--------|----------------------------------|--|--|
| 4. | ELECTIVE  | Scalling Networks                                    | MNC362 | 3 <sup>rd</sup> /6 <sup>th</sup> |  |  |
| 5. | ELECTIVE  | Databases II   | MSE471 | 4 <sup>th</sup> /7 <sup>th</sup> |  |  |
| 6. | ELECTIVE  | Network Security                                     | MNC481 | 4 <sup>th</sup> /8 <sup>th</sup> |  |  |
|    | Electives |  |        |                                  |  |  |
| 1. | ELECTIVE  | E-Commerce and the Internet                          | EL471  | 4 <sup>th</sup> /7 <sup>th</sup> |  |  |
| 3. | ELECTIVE  | Introduction to Business                             | EL472  | 4 <sup>th</sup> /7 <sup>th</sup> |  |  |
| 2. | ELECTIVE  | Search Engine Optimization and<br>Internet Marketing | EL481  | 4 <sup>th</sup> /8 <sup>th</sup> |  |  |
| 4. | ELECTIVE  | Introduction to Marketing                            | EL482  | 4 <sup>th</sup> /8 <sup>th</sup> |  |  |

| A/A   | Course Type | Course Name                      | Course<br>Code | Year/Semester                    |  |  |
|---|-------------|----------------------------------|----------------|----------------------------------|--|--|
| Major Electives for the Maritime Studies Specialization |             |                                  |                |                                  |  |  |
| 1.  | ELECTIVE    | Introduction to Maritime Studies | MM241          | 2 <sup>nd</sup> /4 <sup>th</sup> |  |  |

| 2. | ELECTIVE | Regulatory Framework of Shipping                     | MM351 | 3 <sup>rd</sup> /5 <sup>th</sup> |
|----|----------|--|-------|----------------------------------|
| 3. | ELECTIVE | Shipping Economics                                   | MM361 | 3 <sup>rd</sup> /6 <sup>th</sup> |
| 4. | ELECTIVE | Maritime Insurance                                   | MM362 | 3 <sup>rd</sup> /6 <sup>th</sup> |
| 5. | ELECTIVE | Maritime Law   | MM471 | 4 <sup>th</sup> /7 <sup>th</sup> |
| 6. | ELECTIVE | Shipping Management                                  | MM481 | 4 <sup>th</sup> /8 <sup>th</sup> |
|    |          | Electives  |       |                                  |
| 1. | ELECTIVE | E-Commerce and the Internet                          | EL471 | 4 <sup>th</sup> /7 <sup>th</sup> |
| 3. | ELECTIVE | Introduction to Business                             | EL472 | 4 <sup>th</sup> /7 <sup>th</sup> |
| 2. | ELECTIVE | Search Engine Optimization and<br>Internet Marketing | EL481 | 4 <sup>th</sup> /8 <sup>th</sup> |
| 4. | ELECTIVE | Introduction to Marketing                            | EL482 | 4 <sup>th</sup> /8 <sup>th</sup> |

| A/A   | Course Type | Course Name | Course<br>Code | Year/Semester |  |
|---|-------------|-------------|----------------|---------------|--|
| Major Electives for the Oil and Gas Management Specialization |             |             |                |               |  |

| 1. | ELECTIVE | Introduction to Oil and Gas                          | MOG241 | 2 <sup>nd</sup> /4 <sup>th</sup> |
|----|----------|--|--------|----------------------------------|
| 2. | ELECTIVE | Introcuction to Energy Management                    | MOG351 | 3 <sup>rd</sup> /5 <sup>th</sup> |
| 3. | ELECTIVE | Economics for oil and gas industry                   | MOG361 | 3 <sup>rd</sup> /6 <sup>th</sup> |
| 4. | ELECTIVE | Oil and Gas Transmission System                      | MOG362 | 3 <sup>rd</sup> /6 <sup>th</sup> |
| 5. | ELECTIVE | The International oil and gas markets                | MOG471 | 4 <sup>th</sup> /7 <sup>th</sup> |
| 6. | ELECTIVE | Geophysical Methods                                  | MOG481 | 4 <sup>th</sup> /8 <sup>th</sup> |
|    |          | Electives  |        |                                  |
| 1. | ELECTIVE | E-Commerce and the Internet                          | EL471  | 4 <sup>th</sup> /7 <sup>th</sup> |
| 3. | ELECTIVE | Introduction to Business                             | EL472  | 4 <sup>th</sup> /7 <sup>th</sup> |
| 2. | ELECTIVE | Search Engine Optimization and<br>Internet Marketing | EL481  | 4 <sup>th</sup> /8 <sup>th</sup> |
| 4. | ELECTIVE | Introduction to Marketing                            | EL482  | 4 <sup>th</sup> /8 <sup>th</sup> |

| A/A | Course Type                  | Course Name                    | Course<br>Code | Year/Semester                    | Instructor                 |  |  |
|-----|------------------------------|--------------------------------|----------------|----------------------------------|----------------------------|--|--|
|     | Major Electives for Business |                                |                |                                  |                            |  |  |
| 1.  | ELECTIVE                     | Accounting Information Systems | MB241          | 2 <sup>nd</sup> /4 <sup>th</sup> | Marina Magkidou            |  |  |
| 2.  | ELECTIVE                     | Teamwork and Collaboration     | MB351          | 3 <sup>rd</sup> /5 <sup>th</sup> | Christakis<br>Charalambous |  |  |

| 3. | ELECTIVE | Strategy and Business Policy                         | MB361 | 3 <sup>rd</sup> /6 <sup>th</sup> | Marios<br>Katsioloudes     |
|----|----------|--|-------|----------------------------------|----------------------------|
| 4. | ELECTIVE | Supply Chain Management                              | MB362 | 3 <sup>rd</sup> /6 <sup>th</sup> | Stavros Katsaronas         |
| 5. | ELECTIVE | Analytical Decision Making                           | MB471 | 4 <sup>th</sup> /7 <sup>th</sup> | Ioannis<br>Filippopoulos   |
| 6. | ELECTIVE | Quantitative Methods                                 | MB481 | 4 <sup>th</sup> /8 <sup>th</sup> | Christakis<br>Charalambous |
|    |          | Electives  |       |                                  |                            |
| 1. | ELECTIVE | E-Commerce and the Internet                          | EL471 | 4 <sup>th</sup> /7 <sup>th</sup> | Ioannis Filippopoulos      |
| 3. | ELECTIVE | Introduction to Business                             | EL472 | 4 <sup>th</sup> /7 <sup>th</sup> | Marios Katsioloudes        |
| 2. | ELECTIVE | Search Engine Optimization and<br>Internet Marketing | EL481 | 4 <sup>th</sup> /8 <sup>th</sup> | Christian Salim            |
| 4. | ELECTIVE | Introduction to Marketing                            | EL482 | 4 <sup>th</sup> /8 <sup>th</sup> | Marios Katsioloudes        |

## TEACHING PERSONNEL, QUALIFICATIONS

|   | Name  | Qualifications   | Rank   | FT/PT | Course               |
|---|---|--|--------|-------|----------------------|
| 1 | Dean of the<br>Faculty of<br>Sciences and<br>Technology<br>George<br>Dekoulis | PhD in Communications<br>BEng Communications   | Р      | FT    | Computer Science/MIS |
| 2 | Angelina Vidali   | PhD Informatics<br>MSc Algorithms & Computation<br>BSc Mathematics                           | AsP    | FT    | Computer Science/MIS |
| 3 | Christakis<br>Charalambous  | PhD Electrical Engineering<br>BSc Electronics  | Р      | FT    | Computer Science/MIS |
| 4 | Hikmat Farhat   | PhD Artificial Intelligence<br>PhD Chemical Physics<br>BSc Physics                           | Р      | PT    | Computer Science/MIS |
| 5 | Marios<br>Katsiouloudes   | PhD Business   | Р      | FT    | Business/MIS         |
| 6 | Fotis Moustakis   | PhD in International Relations,<br>Director of the Royal Navy                                | AP/VAP | PT    | MIS                  |
| 7 | HEAD of the<br>Department<br>Charr Jean-<br>Claude                            | PhD Computer Science<br>MSc Computer Science<br>BSc Computer Science                         | AP     | FT    | Computer Science/MIS |
| 8 | Marios<br>Efthymiopoulos  | PhD Cyber Security/Law<br>NATO Defense College<br>MA Diplomacy<br>BA International Relations | AP     | PT    | Computer Science/MIS |

| 9  | Thomas<br>Photiadis        | PhD Multimedia<br>MA Product Design<br>BSc System Design                                     | AsP     | FT | Computer Science/MIS |
|----|----------------------------|--|---------|----|----------------------|
| 10 | Ioannis<br>Filippopoulos   | PhD Computer Networks<br>MBA<br>MSc IT<br>BSc Military Training                              | AsP     | FT | Computer Science/MIS |
| 11 | Joseph Antoine<br>Al Asmar | PhD Automation & Control<br>MSc Mechatronics<br>MSc Physics<br>BSc General Sciences          | AsP/ VP | FT | Computer Science/MIS |
| 12 | DimitriosGkritza<br>pis    | PhD Avionics/UAVs<br>BSc Hellenic Police Academy<br>BSc Applied Sciences                     | AsP     | FT | Computer Science/MIS |
| 13 | Romana<br>Novakovic        | PhD in Public Health / Statistics  | AsP     | FT | Computer Science/MIS |
| 14 | Christoforos<br>Andreou    | PhD Economics and Finance<br>MSc Banking and Finance<br>BSc Commerce Finance and<br>Shipping | AsP     | FT | Business/MIS         |
| 15 | Stavros<br>Katsaronas      | PhD Database Management<br>MSc Digital Systems<br>BSc Computer Science                       | L       | PT | Computer Science/MIS |
| 16 | Dimitrios<br>Galiatsatos   | PhD Mathematics<br>MSc Statistics & Data Analysis<br>BSc Mathematics                         | L       | FT | Computer Science/MIS |
| 17 | Giannis Hatzis             | CAPTAIN Hellenic Navy,<br>MSc Shipping and International<br>Trade                            | L       | FT | MIS                  |

| 18 | Marina Magidou           | PhD Candidate Finance<br>MSc Energy Management<br>BSc Electrical Engineering  | STP    | FT | Computer Science/MIS |
|----|--------------------------|---|--------|----|----------------------|
| 19 | Giorgos<br>Georgiou      | MSc Computer Networks<br>BSc Computer Science   | STP/LA | PT | Computer Science/MIS |
| 20 | EftychiaXerou            | PhD Education Technology<br>MSc ICT<br>MSc Italian<br>BSc Italian   | STP    | PT | Computer Science/MIS |
| 21 | Paulina Y.<br>Moughaizel | Sworn Translator<br>Cambridge CELTA<br>MSc Languages & Translation<br>BSc Languages & Translation<br>Michigan Proficiency in English  | STP    | FT | Computer Science/MIS |
| 22 | Zacharias<br>Petrou      | PhD Cand. in Accounting and<br>Finance<br>MSc in Science and Energy<br>Sources<br>MSc of Sciences and in<br>Engineering<br>BSc in Applied Mathematical and<br>Physical Sciences | STP    | PT | Business             |
| 23 | Christian Salim          | PhD Computer Science<br>MSc Computer Science<br>BSc Computer Science  | L/VP   | FT | Computer/MIS         |
| 24 | Angelina Vidali          | PhD Informatics<br>MSc Algorithms & Computation<br>BSc Mathematics  | AsP    | FT | Computer/MIS         |

|   | Name                       | Position  | Rank   | PhD  | Qualifications   | FT/PT | Specialization   | Number of<br>Publications | Teaching<br>Years |
|---|----------------------------|---|--|------|--|-------|--|---------------------------|-------------------|
| 1 | George Dekoulis            | DEAN of the<br>Faculty of<br>Sciences &<br>Technology | Professor  | 2007 | PhD in Communications<br>BEng Communications   | FT    | Digital Logic Design, Computer<br>Architecture, Software<br>Engineering, Space Computing,<br>System Level Programming etc  | > 100                     | 17                |
| 2 | Charr Jean-<br>Claude      | HEAD of the<br>Department                             | Associate<br>Professor   | 2009 | PhD Computer Science<br>MSc Computer Science<br>BSc Computer Science                         | FT    | Computer Science, Mathematics,<br>Cloud Computing, Programming,<br>Compilers, AI, Networks etc                             | 20                        | 13                |
| 3 | Christakis<br>Charalambous | Head of<br>Quality<br>Assurance                       | Professor  | 1973 | PhD Electrical Engineering<br>BSc Electronics  | FT    | Linear Programming, Business,<br>Machine Learning etc.   | > 88                      | 44                |
| 4 | Christos Tsamis            | Head of<br>Research                                   | Professor  | 1996 | PhD Physics<br>MSc Microelectronics<br>BSc Physics   | FT    | Mathematics, Physics,<br>Nanoscience, Nanotechnology,<br>autonomous systems, transport,<br>sensors, green technologies etc | > 100                     | 26                |
| 5 | Hikmat Farhat              |   | Professor  | 1999 | PhD Artificial Intelligence<br>PhD Chemical Physics<br>BSc Physics                           | РТ    | Artificial Intelligence, Advanced<br>Programming, Web Programming<br>etc.  | 23                        | 21                |
| 6 | Marios<br>Katsioloudes     |   | Professor  | 1990 | PhD in Business  | FT    | Business, Marketing,<br>Management etc.  | > 100                     | 31                |
| 7 | Fotis Moustakis            |   | Associate<br>Professor /<br>Visiting<br>Associate<br>Professor |      | PhD in International<br>Relations<br>Director of the Royal Navy                              | РТ    | Oil and Gas Studies, Maritime etc  | > 25                      | 20                |
| 8 | Marios<br>Efthymiopoulos   |   | Associate<br>Professor   | 2008 | PhD Cyber Security/Law<br>NATO Defense College<br>MA Diplomacy<br>BA International Relations | PT    | Cyber security, Network Security<br>etc.   | 58                        | 13                |

| 9  | Angelina Vidali            | Head of<br>Artificial<br>Intelligence<br>Unit | Assistant<br>Professor                           | 2009 | PhD Informatics<br>MSc Algorithms &<br>Computation<br>BSc Mathematics                        | FT | Artificial Intelligence,<br>Mathematics, Algorithms, Machine<br>Learning, Deep Learning,<br>Hardware etc.              | 17 | 10 |
|----|----------------------------|---|--|------|--|----|--|----|----|
| 10 | Thomas Photiadis           |   | Assistant<br>Professor                           | 2017 | PhD Multimedia<br>MA Product Design<br>BSc System Design                                     | FT | Multimedia, Graphic Arts, Human<br>Computer Interaction etc  | 17 | 10 |
| 11 | Sotirios D<br>Kotsopoulos  |   | Assistant<br>Professor                           | 2005 | PhD Computation<br>MSc Design<br>BA Design   | FT | Complex Algorithms,<br>Computation, Artificial<br>Intelligence, Parallel Processing,<br>Machine Learning Projects etc. | 65 | 15 |
| 12 | Ioannis<br>Filippopoulos   |   | Assistant<br>Professor                           | 2012 | PhD Computer Networks<br>MBA<br>MSc IT<br>BSc Military Training                              | FT | Management Information<br>Systems, System Analysis and<br>Design, E-Commerce, SEO,<br>Internet Technologies etc.       | 23 | 9  |
| 13 | Joseph Antoine Al<br>Asmar |   | Assistant<br>Professor/<br>Visiting<br>Professor | 2015 | PhD Automation & Control<br>MSc Mechatronics<br>MSc Physics<br>BSc General Sciences          | FT | Mathematics, Electronics,<br>Automation, Programming etc.  | 14 | 10 |
| 14 | Ioannis Kouretas           |   | Assistant<br>Professor                           | 2012 | PhD VLSI Design<br>MSc IC Design<br>BSc Computer Engineering<br>& Informatics                | FT | Computer Engineering,<br>Electronics, VLSI, Embedded<br>Systems etc  | 36 | 17 |
| 15 | Christoforos<br>Andreou    |   | Assistant<br>Professor                           | 2019 | PhD Economics and Finance<br>MSc Banking and Finance<br>BSc Commerce Finance and<br>Shipping | FT | Accounting, Finance, Shipping<br>Economics etc.  | 8  | 4  |
| 16 | Dimitrios<br>Gkritzapis    |   | Assistant<br>Professor                           | 2009 | PhD UAVs/Unmanned<br>Vehicles<br>BSc Hellenic Police<br>Academy                              | FT | UAVs, Project Management,<br>Research in Advanced and Future<br>Technologies for the Police etc                        | 24 | 13 |

|    |                          |                                 |                                    |      | BSc Applied Sciences  |    |  |    |    |
|----|--------------------------|---------------------------------|------------------------------------|------|---|----|--|----|----|
| 17 | Romana<br>Novakovic      |                                 | Assistant<br>Professor             | 2013 | PhD in Statistics   | FT | Mathematics, Statistics,<br>Probabilities, Calculus, Public E-<br>Health etc.  | 15 | 4  |
| 18 | Ilias<br>Panagiotopoulos |                                 | Assistant<br>Professor             | 2008 | PhD Informatics and<br>Technology<br>PhD Aeronautics and<br>Technology<br>Dipl. And MSc Mechanical<br>and Aeronautics Engineering | FT | Informatics, Network Security,<br>Mobile Networks, Wireless<br>Networks, Communications<br>Technologies, Protocols, UAVs,<br>Unmanned Technologies,<br>Hardware etc. | 49 | 11 |
| 19 | Anthonny<br>Tannoury     |                                 | Assistant<br>Professor             | 2018 | PhD 3D Scene and<br>reconstruction<br>MSc Multimedia and<br>Networking Engineering  | FT | <b>3D Gaming</b> , Game Design and<br>Development, Mobile Applications<br>Programming, Artificial<br>Intelligence etc.   | 3  | 7  |
| 20 | Stavros<br>Katsaronas    | Strategic<br>Project<br>Manager | Lecturer                           | 1988 | PhD Database Management<br>MSc Digital Systems<br>BSc Computer Science  | PT | Databases, Management,<br>Computer Science etc   | 2  | 9  |
| 21 | Dimitrios<br>Galiatsatos |                                 | Lecturer                           | 2019 | PhD Mathematics<br>MSc Statistics & Data<br>Analysis<br>BSc Mathematics   | FT | Mathematics, Statistics,<br>Probabilities, Calculus, Public E-<br>Health, Biomedicine etc.   | 10 | 4  |
| 22 | Christian Salim          |                                 | Lecturer<br>/Visiting<br>Professor | 2018 | PhD Computer Science<br>MSc Computer Science<br>BSc Computer Science  | FT | Computer Science, IoT Networks,<br>Data Analysis, Big Data, Search<br>Engine Optimization, Software<br>Engineering etc.  | 12 | 5  |
| 23 | Anastasia<br>Eleftheriou |                                 | Lecturer                           | 2013 | PhD Informatics<br>MSc Algorithms &<br>Computation<br>BSc Mathematics   | PT | Artificial Intelligence,<br>Mathematics, Statistics, Digital<br>Technologies, Digital Image<br>Processing etc.   | 6  | 3  |
| 24 | Giannis Hatzis           |                                 | Lecturer                           | -    | CAPTAIN Hellenic Navy,<br>MSc Shipping and  | FT | Maritime Studies, Maritime Law,  | -  | 22 |

|    |                          |   |                 | International Trade   |    | Shipping, Navigation etc.   |    |    |
|----|--------------------------|---|-----------------|---|----|---|----|----|
| 25 | Zacharias Petrou         | Special<br>Teaching<br>Staff                    | -<br>in<br>2021 | PhD Accounting and<br>Finance<br>MSc in Science and Energy<br>Sources<br>MSc of Sciences and in<br>Engineering<br>BSc Applied Mathematical<br>and Physical Sciences | PT | Shipping, Accounting, Finance, Oil<br>and Gas, Green Technologies etc.                                      | -  | 6  |
| 26 | Marina Magidou           | Special<br>Teaching<br>Staff                    | -<br>in 2021    | PhD Candidate Finance<br>MSc Energy Management<br>BSc Electrical Engineering  | FT | Economics, Finance, Internet,<br>Marketing Service, Accounting<br>etc.                                      | 4  | 4  |
| 27 | Giorgos Georgiou         | Special<br>Teaching<br>Staff / Lab<br>Assistant | -               | MSc Computer Networks<br>BSc Computer Science   | PT | Computer Science, 3D Game<br>Design and Development,<br>Networks etc.                                       | -  | 10 |
| 28 | Eftychia Xerou           | Special<br>Teaching<br>Staff                    | -<br>in 2021    | PhD Education Technology<br>MSc ICT<br>MSc Italian<br>BSc Italian   | PT | ICT and Educational Technology,<br>Web Technology, Information<br>Systems, Robotics, Digital Skills<br>etc. | 6  | 11 |
| 29 | Paulina Y.<br>Moughaizel | Special<br>Teaching<br>Staff                    | -               | Sworn Translator<br>Cambridge CELTA<br>MSc Languages &<br>Translation<br>BSc Languages &<br>Translation<br>Michigan Proficiency in<br>English                       | FT | English Language and<br>Translation, CELTA  | 12 | 3  |

## LIST OF COMPULSORY COURSES AND ELECTIVE COURSES

| A/A | Course Type | Course Name                    | Course<br>Code |  |  |  |  |  |  |
|-----|-------------|--------------------------------|----------------|--|--|--|--|--|--|
|     | Semester A  |                                |                |  |  |  |  |  |  |
| 1.  | COMPULSARY  | Principles of Microeconomics   | MIS101         |  |  |  |  |  |  |
| 2.  | COMPULSARY  | Programming Principles 1       | CSC102         |  |  |  |  |  |  |
| 3.  | COMPULSARY  | Calculus I                     | CSM103         |  |  |  |  |  |  |
| 4.  | COMPULSARY  | Accounting I                   | MIS104         |  |  |  |  |  |  |
| 5.  | COMPULSARY  | English Language I             | ENG101         |  |  |  |  |  |  |
|     | Semester B  |                                |                |  |  |  |  |  |  |
| 1.  | COMPULSARY  | Programming Principles II      | CSC106         |  |  |  |  |  |  |
| 2.  | COMPULSARY  | Business Software Applications | MIS107         |  |  |  |  |  |  |
| 3.  | COMPULSARY  | Web Technology                 | CSC108         |  |  |  |  |  |  |
| 4.  | COMPULSARY  | Accounting II                  | MIS109         |  |  |  |  |  |  |
| 5.  | COMPULSARY  | English Language II            | ENG102         |  |  |  |  |  |  |
|     | Semester C  |                                |                |  |  |  |  |  |  |
| 1.  | COMPULSARY  | Organizational Behaviour       | MIS351         |  |  |  |  |  |  |

| 2. | COMPULSARY | E-Business                           | MIS471 |
|----|------------|--------------------------------------|--------|
| 3. | COMPULSARY | Web Programming                      | CSC203 |
| 4. | COMPULSARY | Probabilities and Statistics         | CSM204 |
| 5. | COMPULSARY | Business Law                         | MIS205 |
|    |            | Semester D                           |        |
| 1. | COMPULSARY | Artificial Intelligence              | CSC206 |
| 2. | COMPULSARY | Systems Analysis and Design          | MIS241 |
| 3. | COMPULSARY | Introduction to Management           | MIS243 |
| 4. | COMPULSARY | Statistical Applications in Business | MIS209 |
| 5. | COMPULSARY | Major Elective                       |        |
|    |            | Semester E                           |        |
| 1. | COMPULSARY | Management Innovation<br>Technology  | MIS301 |
| 2. | COMPULSARY | Data Structures and Algorithms       | CSC202 |
| 3. | COMPULSARY | Databases I                          | CSC303 |
| 4. | COMPULSARY | Software Engineering I               | CSC304 |

| 5.         | ELECTIVE   | Major Elective               |        |  |  |  |  |
|------------|------------|------------------------------|--------|--|--|--|--|
|            | Semester F |                              |        |  |  |  |  |
| 1.         | COMPULSARY | Research Methods             | CSC306 |  |  |  |  |
| 2.         | COMPULSARY | Information Systems Concepts | MIS361 |  |  |  |  |
| 3.         | COMPULSARY | Software Engineering II      | CSC308 |  |  |  |  |
| 4.         | ELECTIVE   | Major Elective               |        |  |  |  |  |
| 5.         | ELECTIVE   | Major Elective               |        |  |  |  |  |
|            | Semester G |                              |        |  |  |  |  |
| 1.         | COMPULSARY | Final Project Phase I        | CSC401 |  |  |  |  |
| 2.         | COMPULSARY | Connecting Networks          | MNC471 |  |  |  |  |
| 3.         | COMPULSARY | Applied Data Communications  | MIS403 |  |  |  |  |
| 4.         | ELECTIVE   | Major Elective               |        |  |  |  |  |
| 5.         | ELECTIVE   | Elective                     |        |  |  |  |  |
| Semester H |            |                              |        |  |  |  |  |
| 1.         | COMPULSARY | Final Project Phase II       | CSC406 |  |  |  |  |
| 2.         | COMPULSARY | Information Systems          | CSC407 |  |  |  |  |

|    |            | Management                  |        |
|----|------------|-----------------------------|--------|
| 3. | COMPULSARY | Communications and Networks | CSC208 |
| 3. | ELECTIVE   | Major Elective              |        |
| 4. | ELECTIVE   | Elective                    |        |