**Study Plan**

MSc in Computer Science – Warsaw School of Computer Science

Full-time course

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No. | Subject | ECTS POINTS \* | Exam/Credit | Semester I | | | | Semester II | | | Semester III | | | Semester IV | | |
| Lec. | Ex. | | Lab. | Lec. | Ex. | Lab. | Lec. | Ex. | Lab. | Lec. | Ex. | Lab. |
| 1 | Information System Modeling and Analysis | 10 | C1, E2 | • |  | | • | • |  | • |  |  |  |  |  |  |
| 2 | Distributed Processing | 5 | C1, E1 | • |  | | • |  |  |  |  |  |  |  |  |  |
| 3 | Advanced Software Engineering | 6 | C1, E1 | • |  | | • |  |  |  |  |  |  |  |  |  |
| 4 | Advanced Object-Oriented Design | 6 | C1, E1 | • |  | | • |  |  |  |  |  |  |  |  |  |
| 5 | Advanced Database Systems | 6 | C2, E2 |  |  | |  | • |  | • |  |  |  |  |  |  |
| 6 | Data Mining | 6 | C2, E2 |  |  | |  | • |  | • |  |  |  |  |  |  |
| 7 | Monographic Lecture I | 5 | E1 | • | • | |  |  |  |  |  |  |  |  |  |  |
| 8 | Monographic Lecture II | 5 | E2 |  |  | |  | • | • |  |  |  |  |  |  |  |
| 9 | Monographic Lecture III | 5 | E3 |  |  | |  |  |  |  | • | • |  |  |  |  |
| 10 | Mobile Systems | 6 | C3, E3 |  |  | |  |  |  |  | • |  | • |  |  |  |
| 11 | Foundations of Management | 5 | C3, E4 |  |  | |  |  |  |  | • |  |  | • |  |  |
| 12 | Specialized Internship\*\* | 5 | C4 |  | |  |  |  |  |  | • |  |  |  |  |  |
| 13 | IT Service Management and IT Quality Management Methodologies based on Best Practices and Industry Standards (ITIL®, ISO-IEC 20000 /22301, FitSM)  Knowledge Management model.  ITSM automation tools examples. | 7 | C1, E2 | • |  | |  | • | • |  |  |  |  |  |  |  |
| 14 | Project Management Methodologies for large projects (Prince2®, Prince2 Agile, Togaf) | 4 | C12 E1 |  |  | |  | • |  | • |  |  |  |  |  |  |
| 15 | Agile project management methodologies  (Agile Scrum, DevOps, Product Owner) | 10 | C3, E3 |  |  | |  |  |  |  | • | • | • |  |  |  |
| 16 | Service Integration and Management / Supplier Relationship & Performance Management Methodologies based on Industry Models  (SIAM® & Supplier Management standards). Supporting and reporting tools examples | 9 | C3, E4 |  |  | |  |  |  |  |  |  |  | • | • |  |
| 17 | Master’s Seminar | 5 | C4, E4 |  |  | |  |  |  |  |  | • |  |  | • |  |
| 18 | Diploma dissertation | 15 |  |  |  | |  |  |  |  |  | • |  |  | • |  |

**120**

**Legend:**

**Lec. – Lectures**

**Ex. – Exercise**

**Lab. –Laboratory**

**\*\* 4 weeks obligatory for all students**