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| **Institute of Technology (IT) - university of Ouargla –**  **Department: Applied Engineering** |

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| **SUBJECT SYLLABUS**  **(to be published on the website)** |
| **Mathematics 2** |

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| **COURSE TEACHER** | | Seddik MERDACI | | | |
| Receiving students per week | | | |
| Email | [**merdaciseddik@gmail.com**](mailto:merdaciseddik@gmail.com) | Day | Sunday | Hour | 11:00:00 AM |
| Landline phone |  | Day |  | Hour |  |
| Secretary phone |  | Day |  | Hour |  |
| Other | **566166110** | Building | **ISTA** | Office | Amphyth. F |

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| **Tutorials**  (Receiving students per week) | | | | | | | |
| Name of teacher | Office/reception room | Session 1 | | Session 2 | | Session 3 | |
| Day | Session | Day | Hour | Day | Session |
| Abdelkader AMARA | **Room 04** | **Sunday** | **11:00:00 AM** |  |  |  |  |
|  | **Room 03** |  |  |  |  |  |  |
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| **Practical works**  (Receiving of students per week) | | | | | | | |
| Name of teacher | Office/reception room | Session 1 | | Session 2 | | Session 3 | |
| Day | Session | Day | Hour | Day | Session |
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| **Course description** | |
| Objective | The aim of this subject is to give students the necessary knowledge concerning the simple and uniform convergences of series of functions, the development of functions in whole series and Fourier series, learn the notion of matrices and matrix calculation as well as studying some methods to solve systems of linear equations, studying one or more characteristics (also called statistical variables) of a population |
| Type of Teaching Unit | UEF (Fundamental) |
| Short content | Chapter 1 digital series  Chapter 2 Matrices  Chapter 3 statistics and probabilities |
| Subject Credits | 3 |
| Subject coefficient | 2 |
| Weighting Participation |  |
| Weighting Attendance |  |
| Average Calculation |  |
| Skills targeted |  |

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| **Assessment of continuous knowledge test** | | | | | | | |
| **First knowledge test** | | | | | | | |
| Day | Session | Duration | Type (1) | Doc. Allowed (yes/no) | Scale | Exchange after evaluation (date of sheet consulting) | Evaluation criteria (2) |
| Sunday | 11:00:00 AM | 40 | E | No |  |  |  |
| **Second knowledge test** | | | | | | | |
| Day | Session | Duration | Type (1) | Doc. Allowed (yes/no) | Scale | Exchange after evaluation (date of sheet consulting) | Evaluation criteria (2) |
|  |  | 30 | E | No |  |  |  |

(1) Type: E=written, EI=individual presentation, EC=class presentation, EX=experimentation, MCQ

(2) Assessment criteria: A=Analysis, S=synthesis, AR=argumentation, D=approach, R=results.

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| **Used Equipment and Material** | |
| Platforms addresses |  |
| Application names (web, local networks) |  |
| Handouts |  |
| Laboratory material |  |
| Protective material |  |
| Material to be used in the field |  |

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| **Expectations** | |
| Expectations of students (Participation-involvement) |  |
| Teacher expectations |  |
| **Bibliography** | |
| Books and digital resources | J. Quinet elementary courses of higher mathematics, 1976. Jean-François Delmas, introduction to probabilities and statistical calculation 2010 |
| Articles (papers) |  |
| Handouts |  |
| Websites |  |

Stamp of the department