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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)** |
| **Electronic systems** |

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| **COURSE TEACHER** | | **Sayhia TIDJANI** | | | |
| Receiving students per week | | | |
| Email | [**Tidjani.sayhia@gmail.com**](mailto:Tidjani.sayhia@gmail.com) | Day | Thursday | Hour | 8:00:00 AM |
| Landline phone |  | Day |  | Hour |  |
| Secretary phone |  | Day |  | Hour |  |
| Other | 664603434 | Building | **ISTA** | Office | Room 01 |

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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 |
| **Sayhia TIDJANI** | **Room 01** | **Thursday** | **9:30:00 AM** |  |  |  |  |
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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 |
| **Sayhia TIDJANI** | IT lab | Thursday | 09:30 |  |  |  |  |
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| **Course description** | |
| Objective | Know the active components, their characteristics and the usual electronic assemblies |
| Type of Teaching Unit | UEF (Fundamental) |
| Short content | Functions: switching, rectification, amplification, filtering.  The characteristics: measurement of input and output impedance, transfer function, frequency response (1st order passive and active filters, cut-off frequency).  Active components (diodes, bipolar transistors, etc.). |
| Subject Credits | 2.5 |
| Subject coefficient | 0 |
| Weighting Participation | 15% |
| Weighting Attendance | 15% |
| Average Calculation | (Attendance + participation + homework + 2 test) /20 |
| Skills targeted | Know the different active electronic components (diodes, transistors) and their applications in electronic circuits, know the basic electronic functions and their characteristics |

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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) |
| Thursday | 9:30:00 AM | 30 | E | No | 1 exercise on 5pts |  | AR, D, R |
| **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 exercise on 5pts |  | AR, D, R |

(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 | Moodle. UKMO, moodle.UBMA |
| Application names (web, local networks) | WhatsApp |
| Handouts | Library books (general electronic (628/295/3) courses of electronics (628/300/10), …) |
| Laboratory material | IT laboratory (PC + multism software + data show) |
| 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 | Library books (general electronic (628/295/3) courses of electronics (628/300/10), …) |
| Articles (papers) |  |
| Handouts | Adel SAID, “general electronic”, technologist at ISET Nabeul, 2013/2014 |
| Websites | Moodle. UKMO, moodle.UBMA |

Stamp of the department