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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)** |
| **Chemistry** 2 **– Thermodynamics** |

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| **COURSE TEACHER** | | Soumia Amina KABDI | | | |
| Receiving students per week | | | |
| Email | **Kabdi.soumiaamina@univ-ouargla.dz** | Day | Tuesday | Hour | 11:00:00 AM |
| Landline phone |  | Day |  | Hour |  |
| Secretary phone |  | Day |  | Hour |  |
| Other | **6661888841** | 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 |
| Soumia Amina KABDI | **Room 03** | **Tuesday** | **9:30:00 AM** |  |  |  |  |
|  | **Room 02** | **Wednesday** | **9:30:00 AM** |  |  |  |  |
|  | **Room 01** | **Wednesday** | **11:00** |  |  |  |  |
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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 | Understand the concepts of thermodynamics and thermochemistry and know how to use them to understand the risks related to the stability of chemical substances |
| Type of Teaching Unit | UEF (Fundamental) |
| Short content | Systems concept. First principle of thermodynamics and application to ideal gases. Second principle... |
| Subject Credits | 3 |
| Subject coefficient | 2 |
| Weighting Participation |  |
| Weighting Attendance |  |
| Average Calculation | homework + test + absences + participation |
| 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) |
| Tuesday | 9:30:00 AM | 10 min | E | No | 4 |  | A |
| **Second knowledge test** | | | | | | | |
| Day | Session | Duration | Type (1) | Doc. Allowed (yes/no) | Scale | Exchange after evaluation (date of sheet consulting) | Evaluation criteria (2) |
|  |  | 30 min | E | No | 12 |  | A |

(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 | Books |
| Application names (web, local networks) | Sndl |
| Handouts |  |
| Laboratory material | Some available devices and lack of chemical products |
| 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 | Thermodynamics courses Semester 1 S. pocet IUT Marseille. Department of Thermal and Power Engineering. Year 2012-2013. Chemistry all-in-one PSI-PSI\* courses and corrected exercises. Chemical |
| Articles (papers) |  |
| Handouts |  |
| Websites |  |

Stamp of the department