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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