**TEMPLATE FOR COURSE SPECIFICATION**

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| Principles of production processes |

**COURSE SPECIFICATION**

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| Baghdad University | ***1. Teaching Institution*** |
| College of Engineering / Mechanical Engineering Department | ***2. University Department/Centre*** |
| Principles of production processes/ME104 | ***3. Course title/code& Description*** |
| The development of students' skills in various production and manufacturing processes | ***4. Programme(s) to which itContributes*** |
| classrooms + in practical training workshop | ***5. Modes of Attendance offered*** |
| The academic year 2016- 2017 | ***6. Semester/Year*** |
| 60 hours theory +90 hour operation | ***7. Number of hours tuition (total)*** |
| 4/2017 | ***8. Date of production/revision of this specification*** |
| ***9. Aims of the Course*** | |
| Education and training of students to the basic concepts of engineering materials and principles of production processes as well as the development of the student in the asymptotic Joe to the reality of the workshops productivity and how decision-making in the production processes in terms of identifying the type of operation and the type of engineering materials processing as well as measurement and identification, types the number used in the workshops, as well as being educated on how to put technological tract operations productivity | |

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| ***10·Learning Outcomes***  The development of skills for students to think-1 2- understanding of the processes and how its performance 3- operations analysis geometrically 4 a-sketch relations and interdependence between the variables 5- take appropriate decisions and calculations 6- develop appropriate methodology and urinary |
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| ***11.Teaching and Learning Methods*** |
| Theoretical lectures. Training, Reports |
| ***12. Assessment Methods***  Theory examinations + practical exams |
| ***13. Grading Policy***  80 Theoretical( 20 quiz+60 Final exams)  20 workshop |

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| ***14. Course Structure*** | | | | | |
|  |  |  |  |  | Week |
| In the event of a holiday on the day of the lecture creeps into the next week | Divided by prepared to five groups. These aggregates are grown on five swear inside the workshop for four weeks and an average of three hours per week of workshops below and periodically  1. Turning  2. Welding  3. Carpentry  4. Measuring  5.. Metal removal by hand tools  6. The students are trained for each Division and a three-hour workshop on the network |  |  | Alamlilt extractive and manufacturing of iron, copper, aluminum, lead | 1 |
| After the completion of each chapter or title is a test subject for students |  |  | Alamlilt extractive and manufacturing of iron, copper, aluminum, lead | 2 |
| This exam is part of the assessment requirements for students |  |  | Alamlilt extractive and manufacturing of iron, copper, aluminum, lead | 3 |
| After the completion of each workshop delivery report and so is a test |  |  | Engineering tests | 4 |
|  |  |  | Engineering tests | 5 |
|  |  |  | Measuring and marking out | 6 |
|  |  |  | Metal removal by hand tools | 7 |
|  |  |  | Machining of metals | 8 |
|  |  |  | Machining of metals | 9 |
|  |  |  | Machining of metals | 10 |
|  |  |  | Casting processes | 11 |
|  |  |  | Casting processes | 12 |
|  |  |  | Metal forming processes | 13 |
|  |  |  | Metal forming processes | 14 |
|  |  |  | Metal forming processes | 15 |
|  |  |  | Joining of metals | 16 |
|  |  |  | Joining of metals | 17 |
|  |  |  | plastic | 18 |
|  |  |  | plastic | 19 |
|  |  |  | classes | 20 |
|  |  |  | classes | 21 |
|  |  |  | Ceramics | 22 |
|  |  |  | Ceramics | 23 |
|  |  |  | Industrial safety | 24 |
|  |  |  | Industrial safety | 25 |
|  |  |  | Final exams | 26 |
|  |  |  |  | 27 |
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| ***15. Infrastructure*** | | |
| 1. kahtan khalf, & Adil mahmod," Principles of Production Engineering",1987. 2. Dr.Ahmed A.Al-kafaji,"Lectures about all terms of the subject ",2010-2011. 3. Dr.Salah Ameen,DrWaleed Mohamed, and Dr. Talab Hussain,"Material Engineering Properties",1990. 4. Dr.Qahtan Al-Khazraji, and Abdaljowad Sharif,"Welding Technology",1989. 5. Dr. Mohamed Al-Tornechi,and Dr.Mahdy Saeed,"Cutting Tool's Principles",1988. 6. Dr.Shakir K. Al- Saammrai ,and Dr.Qahtan Al-Khazraji,"Fundimentals of Metallurgy Enginneering",1990. | Required reading:  · CORE TEXTS  · COURSE MATERIALS  · OTHER | |
| students are divided according to prepared to five groups. These aggregates are grown on five swear inside the workshop for four weeks and an average of three hours per week of workshops below and periodically 1. Turning 2. Welding 3. Carpentry 4. refrigerator 5. Alkiesa T. The students are trained for each division and for three hours on the workshop plumbing | Special requirements (include for example workshops, periodicals ,IT software, websites) | |
|  | Community-based facilities  (include for example, guest  Lectures , internship, field studies) | |
| ***16. Admissions*** | | |
|  | | Pre-requisites |
| 60 | | Minimum number of students |
| 75 | | Maximum number of students |

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