**خطة الدورات التدريبية لكلية الهندسة خلال الفصل الثاني1439/1440 هـ**

**College of Engineering training courses plan in the second semester 1439/1440 H**

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| **No** | **Title** | **The presented** | **Date** | **No. of student** | **Targeted students** |
| **1** | **Use of Phase Change Materials in** **Transporting Temperature Sensitive Goods** | **Dr. Ahamed Saleel C****(Mechanical Depart.)** | **21/6/1440****26/2/2019** | **30** | **Lv 7 and up ME** |
| **2** | **Learning thermodynamics through TEST software** | **Dr. Mohammad Yunus****(Mechanical Depart.)** | **25/5/1440****31/1/2019** | **20** | **Lv 9&10****ME** |
| **3** | **Cloud Based Design and Manufacturing.** | **Dr. Gulam M. Ahmed (Mechanical Depart.)** | **29/5/1440****4/2/2019** | **50** | **Lv 5-8****ME and IE**  |
| **4** | **Solid Modeling- An overview** | **Dr. E. Abhilash****(Mechanical Depart.)** | **29-30/5/1440****4-5/2/2019** | **50** | **Lv 3-6****All departments** |
| **5** | **Basics in Solid Work’s CAD software** | **Dr. Amir KESSENTINI****(Mechanical Depart.)** | **28-30/6/1440****5-7/3/2019** | **Unlimited** | **All Departments and levels** |
| **6** | **Sheet metal design using Solid Work** | **Dr. Fehmi Gamaoun** **(Mechanical Depart.)** | **24/5/1440****30/1/2019** | **30** | **Lv 8 and up****EE** |
| **7** | **Basics of structural analysis & design using Tekla Structures** | **Dr. MondherWali** **(Mech. Depart.)** | **22/6/1440****27/2/2019** | **20** | **Lv 9 and 10 CE** |
| **8** | **Fundamentals of Simulation using Matlab/simulink** | **Dr. Amir Ibrahim Arabi****(Mech. Depart.)** | **21/7/1440****28/3/2019** | **20** | **ME and IE (lv 7 to 10)** |
| **9** | **Origine Software : demonstration end uses** | **Dr. M. Abdelbasset YOUSFI****(Mech. Depart.)** | **15/6/1440****20/2/2019** | **10** | **Lv 8 and 9****ME** |
| **10** | **Nanotechnology for engineering applications** | **Dr. Bahaa Mostafa****(Mech. Depart.)** | **7/6/1440****12/2/2019** | **20** | **Lv 9-10****All departments** |
| **11** | **Air conditioning systems** |

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| **Dr. Jamel MADIOULI****(Mech. Depart.)**  |

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 | **17-19/7/1440****24-26/3/2019** | **20** | **Lv 9 and 10****ME** |
| **12** | **Reconfigurable Computing using Xilinx FPGAs** | **Dr. Mohammed Zubair** **Eng. Mohammed Habeeb****(Electrical Department)** | **17-19/02/2019****12-14/06/1440** | **15** | **Lv-8 and up****EE**  |
| **13** | **Power System Analysis Toolbox –PSAT- integrating Renewable Energy** | **Dr. Abdelaziz Salah Saidi****(Electrical Department)** | **14/03/2019****07/07/1440** | **15** | **Level 10****EE** |
| **14** | **Digital System Design Using VHDL** | **Dr. Hassan Loukil****(Electrical Department)** | **12-14/03/2019****05-07/07/1440** | **15** | **Lv-8 and up****EE** |
| **15** | **Control System Applications using MATLAB & Simulink** | **Prof. Mohammad FazleAzeem****Eng. Mohammed Habeeb****Eng. Mohammed Muqeet****(Electrical Department)** | **24-26/02/2019****19-21/06/1440** | **20** | **Lv-7 and up****EE** |
| **16** | **Applications of Matlab and Simulink in Electrical Engineering** | **Eng. Abdul Wase Mohammed****Eng. Zeeshan Ahmad****Eng. ShaikIrshad****Eng. Salman Arafath****(Electrical Department)** | **22-23/01/2019****16-18/05/1440** | **30** | **Lv-4 and up****EE** |
| **17** | **Design of advanced digital design** | **Eng. Zeeshan Ahmed****Eng. Mohammed Habeeb****Eng. Mohammed Muqeet****Eng. Abdul Wase Mohammed****(Electrical Department)** | **27-28/01/2019****21-22/05/1440** | **20** | **Lv-6 and up****EE** |
| **18** | **Computerized Methods using Matlab** | **Dr. Mohammed Farooq** **Eng. Zeeshan Ahmad****Eng. Salman Arafath (Electrical Department)** | **25/02/2019****20/06/1440** | **25** | **Lv-6 and up****EE** |
| **19** | **Overview of Project Management Professional (PMP)** | **Dr. Elfatih Abdelrahman****(Electrical Department)** | **03-05/02/2018****28-30/05/1440** | **30** | **Lv- 9 & 10****All Depars.** |
| **20** | **Object Oriented Programming Through C++** | **Dr. Thafasalajaz****Eng. Salman Mohammed****Eng. ZeeshanAhamad****Eng. Abdul Wasay****Eng. ShaikIrshad****(Electrical Department)** | **20-23/01/2019****14-17/05/1440** | **25** | **Lv-6 and up****EE** |
| **21** | **FPGA vs ASIC: Design methodology** | **Dr.Monji Zaidi** **(Electrical Department)** | **3-4/03/2019****26-27/06/1440** | **25** | **Lv- 9 and 10 EE** |
| **22** | **Electrical Drives Simulation (Matlab/Simulink)** | **Dr. ZakariaElbarbary****(Electrical Department)** | **22/01/2019****16/05/1440** | **20** | **Lv- 9 and 10 EE** |
| **23** | **An introduction to Multisim** | **Dr. MuneerParayangat****Eng. Mohammed Muqeet****Eng. AbdelrahimSourab****(Electrical Department)** | **24 -26/2/2019****18-20/06/1440** | **35** | **Lv-3 and up****EE** |
| **24** | **Auto-Cad for chemical Engineers** | **Dr.Chandrakant Sarkar****Eng. Mohammed Kafeel****(Chemical Depart.)** | **28-30/5/1440****3-5/2/2019** | **25** | **Lv6 and up CE** |
| **25** | **Design criteria for a chemical plant** | **Prof. Hamed Harharah****(Chemical Depart.)** | **23/6/1440****28 /2/2019** | **25** | **Lv6 and up CE** |
| **26** | **Adsorption: surface chemistry** | **Dr. Abdelfattah Amari****(Chemical Depart.)** | **29/6/1440****6/3/2019** | **25** | **Lv6 and up CE** |
| **27** | **Alternative energies** | **Dr. BasemAlalwan****(Chemical Depart.)** | **15/6/1440****20/2/2019** | **25** | **Lv6 and up CE** |
| **28** | **Application of computer for Chemical Engineers** | **Dr. HaithamAbdelghafar (Chemical Depart.)** | **14/6/1440****19/2/2019** | **25** | **Lv6 and up CE** |
| **29** | **Mitigation of urban heat island (UHI) effect of Riyadhcity** | **Dr. Muhammad Arshad****(Chemical Depart.)** | **20/6/1440****25/2/2019** | **20** | **Lv8 and up CE** |
| **30** | **Solid Waste Treatment** | **Dr. Muhammad Arshad****(Chemical Depart.)** | **18/7/1440****25/3/2019** | **20** | **Lv9 and 10 CE** |
| **31** | **OUTSOURCING MANAGEMENT** | **Dr. Mohd Rafik Qureshi****(Industrial Depart.)** | **26-27/6/1440****3-4/3/2019** | **30** | **Lv 5 and up IE** |
| **32** | **PRODUCTIVITY MANAGEMENT AND RE-ENGINEERING** | **Dr. Shaik Dawood** **(Industrial Depart.)** | **3-4/7/1440****10-11/3/2019** | **30** | **Lv 5 and up IE** |
| **33** | **ROBOTICS** | **Dr. Rahamathulla Baig****(Industrial Depart.)** | **10-11/7/1440****17-18/3/2019** | **30** | **Lv 5 and up IE** |
| **34** | **SAFETY IN GENERAL INDUSTRY** | **Dr. Adel Moiz****(Industrial Depart.)** | **17-18/7/1440****24-25/3/2019** | **30** | **Lv 5 and up IE** |
| **35** | **FORECASTING** | **Dr. Sathik Khan****(Industrial Depart.)** | **5-6/7/1440****12-13/3/2019** | **30** | **Lv 5 and up IE** |
| **36** | **ERGONOMICS** | **Dr. Zulkarnain****(Industrial Depart.)** | **28-29/6/1440****5-6/3/2019** | **30** | **Lv 5 and up IE** |
| **37** | **Design and Analysis of water tanks** | **Dr. Nabil Ben Kahla****(Civil Depart.)** | **20-22/7/1440****25-27/2/2019** | **20** | **Level 9-10****CE** |
| **38** | **AutoCAD for Civil Engineers** | **Roohul Abad Khan****(Civil Depart.)** | **21-24/5/1440****27-30/1/ 2019** | **20** | **Level 3-4****CE** |
| **39** | **Mendeley Desktop** | **Roohul Abad Khan****(Civil Depart.)** | **1-2/6/1440****6-7/2/2019** | **20** | **Level 9-10****CE** |
| **40** | **Modelling soil properties using Regression Analysis** | **Roohul Abad Khan****(Civil Depart.)** | **7-8/6/1440****12-14/2/ 2019** | **20** | **Level 9-10****CE** |
| **41** | **Microsoft Visio** | **Roohul Abad Khan****(Civil Depart.)** | **13-15/6/1440****18-20/2/ 2019** | **20** | **Level 9-10****CE** |
| **42** | **Aspdin Retain** | **Saiful Islam****(Civil Depart.)** | **16-18/5/1440****22-24/1/2019** | **20** | **Level8-10****CE** |
| **43** | **Introduction to GPS tool with field work**  | **Dr. Khaled Khedher****(Civil Depart.)** | **13-14/2/1440****23/1/ 2019** | **25** | **Level 4-10****CE** |
| **44** | **Transfer data from GPS and Total station Leica to ArcGIS10.4 and mapping** | **Dr. Khaled Khedher****(Civil Depart.)** | **17/5/1440****30/1/ 2019** | **25** | **Level 8-10****CE** |
| **45** | **Introduction to Remote Sensing and GIS** | **Dr. Khaled Khedher****(Civil Depart.)** | **1/6/1440****6/2/2019** | **25** | **Level 4-10****CE** |
| **46** | **FLAC 3D** | **Eng. Saiful Islam****(Civil Depart.)** | **23-24/5/1440****29-30/1/2019** | **10** | **Level 9-10****CE** |
| **47** | **ORIGIN PRO** | **Eng. Saiful Islam** **(Civil Depart.)** | **28-29/6/1440****5-6/3/2019** | **10** | **Level 9-10****CE** |
| **48** | **Application of the "ms-project" software for the study of construction management** | **Dr. HamdyAyed****(Civil Depart.)** | **28-30/6/1440****5-7/3/2019** | **30** | **Level 9-10****CE** |
| **49** | **FEM modelling of structures using ANSYS** | **Dr. SIVAKUMAR Anandan****(Civil Depart.)** | **13/6/1440****18 /2/2019** | **20** | **Level 9-10****CE** |
| **50** | **Failure Analysis in Concrete Structres** | **Dr. Khaled El-Hady****(Civil Depart.)** | **23-24/5/1440****29-30/1/2019** | **20** | **Level 8-10****CE** |
| **51** | **Design of retaining wall** | **Dr. Mahmoud Hussein** **(Civil Depart.)** | **18/7/1440****25/3/2019** | **15** | **Level 9-10****CE** |
| **52** | **HEC RES** | **Dr. Ram Karan Singh****(Civil Depart.)** | **14-15/6/1440****19-20/2/2019** | **20** | **Level 8-10****CE** |
| **53** | **MIKE II** | **Dr. Ram Karan Singh****(Civil Depart.)** | **21-22/6/1440****26-27/2/2019** | **20** | **Level 8-10****CE** |
| **54** | **Sampling and Testing of Water/Wastewater** | **Dr. M. Abul Hasan****(Civil Depart.)** | **26-27/6/1440****3-4/3/2019** | **20** | **Level 8-9****CE** |
| **55** | **ArcHydro** | **Dr. Javed Mallick****(Civil Depart.)** | **3-5/7/1440****10-12/3/2019** | **20** | **Level 9-10****CE** |
| **56** | **SPSS** | **Dr. Javed Mallick****(Civil Depart.)** | **10-12/7/1440****17-19/3/2019** | **20** | **Level 9-10****CE** |
| **57** | **Introduction to Tekla software** | **Dr. Mondher Wali** **and Dr. Fahmi****(Civil Depart.)** | **17-20/7/1440****24-27/3/2019** | **20** | **Level 9-10****CE** |
| **58** | **Steps management of a construction****project and resource management.** | **Dr. Hamdy Ayed****(Civil Depart.)** | **5-7/7/1440****12-14/3/2019** | **20** | **Level 9-10****CE** |