

**Graduation projects for the academic year 2016-2017 General Materials  
Branch**

Student Name	Lecturer Name	Projects Address	No
Tiba Husain Ali	Layth Qais	Studying some mechanical properties for quenched high carbon steel alloy	1
Sara Husam	Fahdel Abbas	Termite welding of steel-to- copper	2
Hanaa Farhan Khalaf	Emad Saady	Effect of hardening on microstructure and hardness for medium carbon steel	3
Abrar abbas	Wafaa Mahdi	Study effect of the change in the weight fraction of composite materials reinforced of natural fiber on some mechanical	4
Elaf Abdullqader	Wafaa Mahdi	Study the effect of wear test of composite materials reinforced of natural fiber	5
Fatima Layth Ali	Rana Afif	Effect of SiC on corrosion behavior of Al alloy	6
Fatima Ameer	Rana Afif	Effect of carbide on pitting corrosion in acidic medium	7
Yosef Raad Sukhail	Ahmed Ameen	Study the effect of quenching media on mechanical properties of Al2024-T <sub>3</sub> spot friction stir welded joint	8
Qamar Haidar Reda	Ahmed Ameen	The effect of polymeric quenching media on properties of medium carbon steel	9
Naba Salih Jasim	Jamal Jalal	A comparison between the bending behavior of polyester by glass and Kevlar fibers	10
Zahraa Khalid	Jamal Jalal	Investigations the effect of temperature on young's modulus and yield strength of steel	11
Noor Muhsen Jasem	Jamal Jalal	Study the effect of forging process on the fatigue strength of low carbon steel	12
Samia Daood	Nevein Jamal	Development and characterization of Aluminum metal matrix composites reinforced with Iron industrial waste	13

Hiba Aws	Nevein Jamal	Fabrication and properties of metal matrix composites reinforced with recycled glass of fluorescent lamp	14
Rahma Jihad	Husain Alaa	Formation of composite material through sol-gel method	15
Ali Hassan Musa	Majed Hamid	Detection of defects for dissimilar metals weldments using ultrasonic inspection	16
Jasim Muhammed	Raad Suhail	Study mechanical properties of AL-Si alloys by Ce addition	17
Sara Jasim	Mervit Mahdi	Investigation of nano composite for Al-4%Si alloys casting	18
Muqadas Bahaa	Hashum Shareef	Redesign the waste containers used locally	19
Mukhtar Ibrahim	Jabar Husain	Effect of nano particles addition on copper base fractional materials performance	20
Hind Emad	Hiba Anwer	Using Natural extract for corrosion inhibition	21
Mukhtar Saaed	Dalia Muhammad	Diphenylamine as inhibitor of AL alloys corrosion	22

### Graduation projects for the academic year 2016-2017 Ceramic branch

Student Name	Lecturer Name	Projects Address	No
Estabraq Taha	Ferhad Uthman	Enhancing mechanical of thermal properties of refractory brick	1
Mena Omer	Ahmed Algabban	Surface engineering by hot dipping galvanizing	2
Zahraa Rasool	Muhammed Sallab	Production of Mg powder layser ablation	3
Ali Husain	Saad Badri	Utilization of waste glass to prepare solder glass	4
Sajad Jasem	Assel Basem	Some mechanical of CNT/cement composite paste	5
Duaa Muwafaq	Assel Basem	Some mechanical properties of nano SiO <sub>2</sub> cement paste	6
Shahad Ahmed	Alaa Alaaaldain	Study some properties of cement mortar with advanced materials	7
Sabaa Abdalnaser	Sarmad Emad	Studying the physical properties of cement mortar reinforced by ceramic nano materials	8
Shahad Adil	Nahid Mahmood	Studying some mechanical properties of polymeric matrix composite reinforced with ceramic material	9
Maryam Abdullrahman	Husain Alla	The effect of eggshell powder on the Portland cement properties	10
Nabia Ahmed	Basma Hashim	Preparation and consolidation of alumina/grapheme composite powders	11
Rania Basim	Basma Hashim	Studying the effect carbon nano powder on the toughness of the metal nano composite	12
Maisara Maher	Ahmed Husain	Studying the effect of fabrications variables in to physical properties by design of experimental .	13
Marwa Maamoon	Ammar Musa	Composite columns strengthened with CFRP	14
Diaa Muhammad	Shatha Ryad	Investigate the behavior of adding waste material to cement mortar	15

Fatima Kareem	Mena Faisal	Charctrization of cds coating prapartion by sol-gel	16
Zaid Hazem	Rawnaq Salahaldain	Fabrication and characterization of ceramic water filter	17

### Graduation projects for the academic year 2016-2017 Polymer branch

Student Name	Lecturer Name	Projects Address	No
Alaa Abdulkareem	Jawad Kadhum	Study the laminate composite materials made from isotropic layers	1
Hanaa Abdulsattar	Sihama Essa	characterization of natural material reinforced PMMA resin for denture base material	2
Sanad Maher	Sihama Essa	characterization of natural material(fiber/particle) reinforced polymer composites for structural application	3
Alaa Shaker	Akram Rahim	Production of smooth and pure metal nano fibers by electro spinning technique	4
Rusul Kareem	Kadhum Muter	The effect of CNT- GO additives on the performance of polymeric membrane in wastewater treatment	5
Maryam Ali	Kadhum Muter	The effect of polymer composition on the performance of membrane in wastewater treatment	6
Elaf Gaab	Bassam Ibrahim	Investigation of ZnO catalyst for chemical recycling bottle water	7
Ryam Baraa	Bassam Ibrahim	Investigation of MnO catalyst for chemical recycling bottle water	8
Ruaa Abdulsattar	Muhammed Abdulhusain	Catalyzed chemical recycling of waste plastic for waterproofing applications	9
Hajer Amer	Muhammed Abdulhusain	Catalyzed chemical recycling of polyethylene Terephthalate(PET) for coating applications	10
Safaa Zuhair	Muhammed Rumaid	Investigation the thermal characteristics of composite polymer material reinforced by different libber types	11

Noor Muhsen	Muhammed Rumaid	Studying the effect change of weight fraction on the mechanical properties of composite polymers material reinforced by particles	12
Neam Muzher	Qahtan Adnan	Study the mechanical properties of denture base materials fabrication from polymeric composite materials	13
Manar Emadladain	Qahtan Adnan	Using of new hybrid polymeric composites to prosthetic denture base materials	14
Maryam Abdulkareem	Manar abduljabar	Improve the sound absorption properties using electrosfpun nano fibers	15
Atyaf Mahdi	Manar abduljabar	Preparation and characterization of apolymeric scaffold using electro spinning	16
Zahraa Raad	Aseel Mahmood	Fabrication and characterization of chicken feathers composite	17
Ryam Ali	Aseel Mahmood	Characterization and fabrication of animals boone composite	18
Nooralhuda Talib	Ruaa Haitham	Study the effect of siwak on some mechanical properties of Acrylic resin	19