

موضوعات الابحاث لمقررات سنوات النقل للفصل الدراسي الثاني للعام الاكاديمي ٢٠٢٠/٢٠١٩
قسم العلوم الأساسية

على الطلاب الرجوع لبرنامج موديل لمعرفة محتوى البحث والخطوات والتقييم واجراءات التسليم

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عناوين الأبحاث	كيفية الأداء	أستاذ المادة	كود المقرر	إسم المقرر
1- Basics of Engineering Mechanics: Force Vectors (Statics) - Kinematics of a Particle (Dynamics). 2- Mechanical Concepts: General balance (statics) - Kinetics of a Particle (Dynamics). 3- Applications of Mechanics: the Centroid of a Body (statics) – conservation of momentum (Dynamics)	مشروع بحثي	أ.م.د. أحمد فرغلي د.خالد الشرقاوي	BAS031	ميكانيكا
1- Alternating Current 2- Capacitors and their Applications 3- Gravitational law and its Applications	مشروع بحثي	د.أحمد طه أ.م.د. أحمد فرغلي	BAS021	فيزياء ١
1- Diodes and their Applications 2- Transistors: Construction and Types. 3- Gas Filled Tubes.	مشروع بحثي	د.أحمد طه	ELE121	مبادئ الهندسة الإلكترونية
1- Temperature and Thermal Expansion of Solids 2- Heat, First Law of Thermodynamics and Second Law of Thermodynamics 3-Electricity and Magnetism: Maxwell equations 4- Sources of magnetic fields & Applications of Faraday's law 5- Ohm's law & Gauss's law and their applications.	مقال بحثي	د.مرفت صادق د.طه طعيمة	BAS022	فيزياء ٢

عناوين الأبحاث	كيفية الأداء	أستاذ المادة	كود المقرر	إسم المقرر
1- General Properties of Gases and Solutions 2- Electrochemistry, Chemistry of corrosion 3- Properties of Liquids & methods of manufacturing Portland cement and kinds Portland cement. 4- Intermolecular forces between molecules & classify solids according to bonds. 5- General Properties of Solid & Chemistry of Cement	مقال بحثي	د.مرفت صادق د.طه طعيمة	BAS041	كيمياء هندسية
1- Applications on Cauchy Integral Formula 2- Cauchy –Reiman Equations and Its Applications 3- Relation between Rectangular and Polar Co-Ordinates in Complex Plane.	مشروع بحثي	د. خالد الشرقاوي	BAS211	رياضيات ٤
1- Integration Techniques 2- Definite Integrals and its Applications. 3- Conic Sections and its Engineering Applications.	مشروع بحثي	أ.م.د. ربيع الشناوي	BAS012	رياضيات ٢
1- Partial Derivatives and its Applications 2- Applications of First Order Ordinary Differential Equations and its Solutions 3- Numerical Solutions of an Algebraic Equations and First Order Ordinary Differential Equations	مشروع بحثي	أ.م.د. ربيع الشناوي	BAS111	رياضيات ٣
1- General rules of Probability 2- Discrete and Continuous Probability Distributions and Their Applications 3- Binomial Distribution and Its Applications.	مشروع بحثي	د. خالد الشرقاوي	BAS212	الاحصاء والإحتمالات
- هندسة التشييد والبناء ومجالاتها. - هندسة الاتصالات وتطبيقاتها المعاصرة. - الهندسة المعمارية وتطبيقاتها الحالية. - العمارة الإسلامية ودورها الحضاري. - أهمية دراسة اللغة العربية لغير المتخصصين فيها.	مقال بحثي	أ.د. أحمد عادل	HUM011	لغة عربية

عناوين الأبحاث	كيفية الأداء	أستاذ المادة	كود المقرر	إسم المقرر
<p>1-English Integrated skills: Present simple vs. past simple / Writing Errors(Run on sentences vs. fragments) / idioms</p> <p>2-English Integrated skills: Present simple vs. present continuous / Writing Errors (Run on sentences vs. fragments)/ suffixes and prefixes</p> <p>3-English Integrated skills: Past simple vs. past continuous / Writing Errors (Run on sentences vs. redundancy)/ idioms</p> <p>4-English Integrated skills: Present simple vs. past simple / Writing Errors (redundancy vs. fragments) suffixes and prefixes</p> <p>5-English Integrated skills: present continuous vs. past continuous / Writing Errors (redundancy vs. Fragment) / idioms</p> <p>6-English Integrated skills: Adjectives vs. Adverbs / Writing Errors (redundancy vs. Fragment) / phrasal verbs</p>	مقال بحثي	د. شيماء المغربي	HUM012	لغة انجليزية ١

عناوين الأبحاث	كيفية الأداء	أستاذ المادة	كود المقرر	إسم المقرر
<p><u>English Integrated skills:</u></p> <p>1- Present perfect vs. past simple vs. present perfect continuous / writing errors(run-on sentence , redundancy , fragment) idiomatic expression (idioms)</p> <p>2- Passive voice / Adjectives vs. adverbs (you need to mention suffixes and prefixes too) / Extreme Adjectives</p> <p>3- Future simple / future continuous / future time clauses (tenses used for future purposes) Descriptive paragraph / Extreme Adjectives</p> <p>4- Past perfect vs. past simple vs. past perfect continuous. Getting meaning from context / Descriptive paragraph</p> <p>5-Present perfect vs. present continuous vs. perfect continuous. writing error (run-on sentence, redundancy, fragment) idiomatic expression (idioms)</p> <p>6- Present perfect continuous vs. past perfect continuous vs. Future continuous /synonymy vs. antonym/ Descriptive paragraph</p> <p>7- Present continuous vs. Past continuous vs. future continuous/ Getting meaning from context / Extreme Adjectives</p> <p>8- If conditionals 4 types / Getting meaning from context / Descriptive paragraph /Extreme Adjectives</p>	مقال بحثي	د. شيماء المغربي	HUM013	لغة انجليزية ٢

عناوين الأبحاث	كيفية الأداء	أستاذ المادة	كود المقرر	إسم المقرر
<p>1- Studies of The Historical Engineering In The Early Civilization Teach Us To Respect For The Past And Its Achievement.</p> <p>2- The Accreditation Board For Engineering And Technology (A B E T) Defines Engineering And Engineering Concidivation.</p> <p>3- The Characteristics And Responsibilities of Professional Engineers And The Legal Frame Work For The Regulation of The Practice of Engineering Through Registration And Lisent.</p> <p>4-Creativity And The Learning Process Could Be The Most Important To Be A Successful Engineer.</p> <p>5- Un like problems usually assigned to engineers to solve it. It is necessary to sort information and identify which parts of it are needed to solve the problem.</p> <p>6- It Is Difficult To Overstate The Importance of Effective Communications To The Success of Engineering.</p> <p>7-Mathimatical Skills Are The Very Foundation Of Most Engineering Work .Successful Engineers Must Learn To Apply These Mathematical Skills With Confidence.</p> <p>8- All Engineers Must Learn From Failures.</p> <p>9-It Is The Most Dynamic Engineering Failures Of The Twenties Century, The Space Shulle Challenger Accident.</p> <p>10-Arab Scientists Are Leading European Scientists Through Vital Activities</p>	مقال بحثي		MED021	تاريخ الهندسة والتكنولوجيا

رئيس القسم
أ.م.د./ أحمد فرغلي