



G H RAISONI COLLEGE OF ENGINEERING NAGPUR

(An Autonomous Institute affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur)

CRPF Gate No.3, Hingna Road, Digdoh Hills, Nagpur. Maharashtra-440016 (India)

Course wise Teaching Plan for Session : Summer Term 2019

Course : Engineering Graphics

Faculty : a.choudhari@raisoni.net - A. S.

Chaudhari

Unit	Topic Code	Topic Covered	Date	Course	Section
1	1	Orthographic Projection	04/05/2019	BMEL108	A
1	2	Orthographic Projection	04/05/2019	BMEL108	A
1	3	Orthographic Projection/TAE-I	04/05/2019	BMEL108	A
2	4	Projection of lines	11/05/2019	BMEL108	A
2	5	Projection of lines/TAE-II	11/05/2019	BMEL108	A
2	6	CAE-I	11/05/2019	BMEL108	A
2	7	Projection of planes/TAE-III	18/05/2019	BMEL108	A
2	8	Projection of planes	18/05/2019	BMEL108	A
3	9	Projection of planes	18/05/2019	BMEL108	A
4	10	Projection of solids/TAE-V	25/05/2019	BMEL108	A
4	11	Projection of solids	25/05/2019	BMEL108	A
4	12	CAE-II	25/05/2019	BMEL108	A
5	13	Section of solids	01/06/2019	BMEL108	A
5	14	Section of solids/TAE-VI	01/06/2019	BMEL108	A
5	15	Section of solids	01/06/2019	BMEL108	A
6	16	Isometric projection/TAE-VII	08/06/2019	BMEL108	A
6	17	Section of solids	08/06/2019	BMEL108	A
6	18	CAE-III	08/06/2019	BMEL108	A



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Course wise Teaching Plan for Session : Summer Term 2019

Course : Introduction to Digital System

Faculty : swati.sorte@raisoni.net -

Swati S Sorte

Unit	Topic Code	Topic Covered	Date	Course	Section
1	1	Number Systems & Boolean Algebra	06/05/2019	BECL101	A
1	2	Decimal, binary, octal, hexadecimal number system and conversion	06/05/2019	BECL101	A
1	3	Binary weighted & non-weighted codes & code conversion	07/05/2019	BECL101	A
1	4	1s and 2s complement codes,	07/05/2019	BECL101	A
1	5	Binary arithmetic, Binary logic functions , Boolean laws, truth tables	08/05/2019	BECL101	A
1	6	Associative and distributive properties, De-Morgan's theorems	13/05/2019	BECL101	A
1	7	De-Morgan's theorems	13/05/2019	BECL101	A
1	8	Realization of switching functions using logic gates. Logic families: TTL,	14/05/2019	BECL101	A
1	9	Realization of switching functions using logic gates. Logic families: TTL,	14/05/2019	BECL101	A
1	10	Realization of switching functions using logic gates. Logic families: ECL, CMOS.	15/05/2019	BECL101	A
1	11	Realization of switching functions using logic gates. Logic families: ECL, CMOS.	20/05/2019	BECL101	A
1	12	TAE1 – Technical review report on Recent Digital Technology	21/05/2019	BECL101	A
2	13	canonical logic forms, sum of product & product of sums, Karnaugh maps, two, three and four variable Karnaugh maps	21/05/2019	BECL101	A
2	14	canonical logic forms, sum of product & product of sums, Karnaugh maps, two, three and four variable Karnaugh maps	22/05/2019	BECL101	A
2	15	canonical logic forms, sum of product & product of sums, Karnaugh maps, three variable Karnaugh maps	27/05/2019	BECL101	A
2	16	canonical logic forms, sum of product & product of sums, Karnaugh maps, two, three and four variable Karnaugh maps	27/05/2019	BECL101	A
2	17	Simplification of expressions, mixed logic combinational circuits	28/05/2019	BECL101	A



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Course wise Teaching Plan for Session : Summer Term 2019

Course : Introduction to Digital System

Faculty : swati.sorte@raisoni.net -

Swati S Sorte

Unit	Topic Code	Topic Covered	Date	Course	Section
2	18	Decoder, Encoder, priority encoder	28/05/2019	BECL101	A
2	19	Multiplexers & De-multiplexer	29/05/2019	BECL101	A
2	20	Subtractor, BCD adder, carry look ahead adder,	03/06/2019	BECL101	A
2	21	Binary comparator, Arithmetic Logic Units.	03/06/2019	BECL101	A
2	22	TAE2- Circuit designing test on K-Maps	04/06/2019	BECL101	A
3	23	Latch, flip-flops, clocked and edge triggered flip-flops	04/06/2019	BECL101	A
3	24	asynchronous and synchronous counters counter design	05/06/2019	BECL101	A
3	25	asynchronous and synchronous counters counter design	10/06/2019	BECL101	A
3	26	Registers, types of registers	10/06/2019	BECL101	A
3	27	Analysis of simple synchronous sequential circuits,	11/06/2019	BECL101	A
3	28	Introduction to Mealy and Moore Circuits	11/06/2019	BECL101	A
3	29	Revision on ESE Paper	12/06/2019	BECL101	A
3	30	Revision	12/06/2019	BECL101	A



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Course wise Teaching Plan for Session : Summer Term 2019

Course : Programming for Problem Solving

Faculty : ganesh.khekare@raisoni.net -

Ganesh S Khekare

Unit	Topic Code	Topic Covered	Date	Course	Section
1	1	Algorithms	08/05/2019	BITL101	A
1	2	building blocks of algorithms (statements, state)	09/05/2019	BITL101	A
1	3	building blocks of algorithms (control flow, functions)	09/05/2019	BITL101	A
1	4	notation (pseudo code) Flow chart	10/05/2019	BITL101	A
1	5	algorithmic problem solving	10/05/2019	BITL101	A
1	6	simple strategies for developing algorithms	15/05/2019	BITL101	A
1	7	Python interpreter and interactive mode	16/05/2019	BITL101	A
1	8	Variable types, I/O operations	16/05/2019	BITL101	A
2	9	Python operators	17/05/2019	BITL101	A
2	10	Std Data Types: Numbers, String	17/05/2019	BITL101	A
2	11	List, Tuple, Set	22/05/2019	BITL101	A
2	12	Dictionary: Programming Examples	23/05/2019	BITL101	A
2	13	conditional (if), alternative (if-else) TAE-1 Algorithm Development for solving problems OR Code Execution	23/05/2019	BITL101	A
3	14	chained conditional (if-elif-else) break, continue, pass	24/05/2019	BITL101	A
3	15	Loops: while for	24/05/2019	BITL101	A
3	16	Function: Definition, call	29/05/2019	BITL101	A
3	17	Required arguments, keyword arguments	30/05/2019	BITL101	A
3	18	Default arguments, variable length arguments	30/05/2019	BITL101	A
4	19	Anonymous Function	31/05/2019	BITL101	A
4	20	Modules - import mechanisms: Import with renaming	31/05/2019	BITL101	A
4	21	From-import statement, Import all names	05/06/2019	BITL101	A



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Course wise Teaching Plan for Session : Summer Term 2019

Course : Programming for Problem Solving

Faculty : ganesh.khekare@raisoni.net -

Ganesh S Khekare

Unit	Topic Code	Topic Covered	Date	Course	Section
4	22	Programming Examples	06/06/2019	BITL101	A
5	23	Class and objects	06/06/2019	BITL101	A
5	24	Inheritance TAE-2 Code Debugging	07/06/2019	BITL101	A
5	25	Polymorphism	07/06/2019	BITL101	A
6	26	Polymorphism	12/06/2019	BITL101	A



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Course wise Teaching Plan for Session : Summer Term 2019

Course : Applied Physics

Faculty : bhakti.patankar@raisoni.net -

Ms. Bhakti Shridatta Patankar

Unit	Topic Code	Topic Covered	Date	Course	Section
1	1	Motion of charges in uniform parallel electric field, energy equation. Motion of charges in uniform electric field perpendicular and at an angle θ	06/05/2019	BFYL121	A
1	2	Numerical on electric field, Motion of charges in uniform parallel magnetic field and concept of constant energy, Motion of charges in uniform perpendicular magnetic field	06/05/2019	BFYL121	A
1	3	Motion of charges in uniform magnetic field at an angle θ Motion of charges in crossed fields, numerical on magnetic and crossed field Electron optics : Bethe's law	07/05/2019	BFYL121	A
1	4	Electrostatic lens, Cathode Ray Tube, Block diagram of CRO, Working of each block of CRO , Applications of CRO	07/05/2019	BFYL121	A
1	5	Numerical on first unit, (TAE-1:- Numerical Test)	08/05/2019	BFYL121	A
2	6	Laser characteristics and Applications, Three Quantum Process : Absorption, spontaneous and stimulated emission of radiation, Population inversion, metastable state, active medium	08/05/2019	BFYL121	A
2	7	Pumping and pumping schemes: Three and four level scheme, Optical resonator: working	09/05/2019	BFYL121	A
2	8	Ruby laser : Construction and working, He-Ne Laser: Construction and working, applications of laser	09/05/2019	BFYL121	A
2	9	Expressions for coherence length and coherence time, Numerical on Laser, TAE2 : Short Answer question test	13/05/2019	BFYL121	A
2	10	CAE1	13/05/2019	BFYL121	A
3	11	Concept of division of amplitude, Interference in parallel thin films, Interference in non-uniform thin films: wedge shape	14/05/2019	BFYL121	A
3	12	Newton's rings Application of interference : Anti reflection coating, surface testing	14/05/2019	BFYL121	A



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Course wise Teaching Plan for Session : Summer Term 2019

Course : Applied Physics

Faculty : bhakti.patankar@raisoni.net -

Ms. Bhakti Shridatta Patankar

Unit	Topic Code	Topic Covered	Date	Course	Section
3	13	Brewster's law, Malus law, optics axis, double reflection in Quartz prism	15/05/2019	BFYL121	A
3	14	Quarter and half wave plate, Polarization and its types, Application of polarization, Numerical on Polarisation	15/05/2019	BFYL121	A
3	15	(TAE3: Derivation Test)	20/05/2019	BFYL121	A
4	16	Compton Effect ; concept, equations for conservation of momentum and energy, Compton shift equation, significance	20/05/2019	BFYL121	A
4	17	Wave particle duality, De Broglie Hypothesis, De Broglie model of an atom justification for Bohr's postulate	21/05/2019	BFYL121	A
4	18	Numerical On Compton and DeBroglie	21/05/2019	BFYL121	A
4	19	Phase velocity, Group Velocity ,Concept of Wave Packet Heisenberg's Uncertainty Principle with significance, Heisenberg's Uncertainty Principle with significance	22/05/2019	BFYL121	A
4	20	Wave Function and its probability interpretation, Schrödinger's Wave equations: time dependent and time independent from time dependent	22/05/2019	BFYL121	A
4	21	Infinite potential well, Eigen values and eigen function,	27/05/2019	BFYL121	A
4	22	Finite potential well: Tunneling, Quantum confinement, (TAE4: Concept Test)	27/05/2019	BFYL121	A
4	23	Numerical on Eigen function and values,	28/05/2019	BFYL121	A
4	24	CAE2	28/05/2019	BFYL121	A
5	25	Formation of energy bands in solids, Classification of solids into insulators, semiconductors and conductors	03/06/2019	BFYL121	A
5	26	Fermi function and Fermi energy level, Intrinsic semiconductor	03/06/2019	BFYL121	A
5	27	Energy band diagrams of silicon and germanium, band diagrams of carbon (diamond)	04/06/2019	BFYL121	A



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Course : Applied Physics

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Unit	Topic Code	Topic Covered	Date	Course	Section
5	28	Extrinsic semiconductor, dependence of Fermi energy on temperature	04/06/2019	BFYL121	A
5	29	Dependence of Fermi energy on doping concentration, derivation of law of mass action	05/06/2019	BFYL121	A
5	30	Current conduction in semiconductor, Hall effect : concept, derivation of hall coefficient, Applications	05/06/2019	BFYL121	A
5	31	p-n junction diode, diode rectifier equation	10/06/2019	BFYL121	A
5	32	Zener diode, Avalanche and Zener break down mechanisms, LED	10/06/2019	BFYL121	A
5	33	Numerical on Semiconductor, (TAE5: Diagram Test)	11/06/2019	BFYL121	A
5	34	TAE : for missed out and low scorer TAE : Diagram Tests	11/06/2019	BFYL121	A
5	35	CAE3	12/06/2019	BFYL121	A
5	36	Marks Showing and revision	12/06/2019	BFYL121	A



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Course wise Teaching Plan for Session : Summer Term 2019

Course : Engineering Mechanics

Faculty : shrikant.solanke@raisoni.net -

~~Mr. Shrikant S. Solanke~~

Unit	Topic Code	Topic Covered	Date	Course	Section
1	1	Fundamentals of Statics: Definition of mechanics, Body, Rigid Body, Scalar quantities, Vector quantities, Representation of vector, Fundamental Units, Derived Units, Particle, Mass, Weight, Fundamental principles of mechanics, Newton's law of universal gravitation	06/05/2019	BCEL107	A
1	2	Fundamentals of Statics: Definition of mechanics, Body, Rigid Body, Scalar quantities, Vector quantities, Representation of vector, Fundamental Units, Derived Units, Particle, Mass, Weight, Fundamental principles of mechanics, Newton's law of universal gravitation	06/05/2019	BCEL107	A
1	3	Equivalent Force System (2-D) : Concept of Force, Unit Newton force, System of force, Principle of transmissibility of force, Resolution and composition of coplanar force system, Resultant, Equilibrant, Law of parallelogram of force, Triangle law, Polygon law, Moment of force, Varignon's theorem,	08/05/2019	BCEL107	A
1	4	Equivalent Force System (2-D) : Concept of Force, Unit Newton force, System of force, Principle of transmissibility of force, Resolution and composition of coplanar force system, Resultant, Equilibrant, Law of parallelogram of force, Triangle law, Polygon law, Moment of force, Varignon's theorem,	08/05/2019	BCEL107	A
1	5	Couple and its properties, Reduction of system of forces into a force couple system. Numericals on equivalent force involving co-planer force systems acting on body,	09/05/2019	BCEL107	A
1	6	Numerical on Reduction of Force System into Single Resultant & Numerical on reduction of system of forces into a force couple system	09/05/2019	BCEL107	A



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Course wise Teaching Plan for Session : Summer Term 2019

Course : Engineering Mechanics

Faculty : shrikant.solanke@raisoni.net -

Mr. Shrikant S. Solanke

Unit	Topic Code	Topic Covered	Date	Course	Section
1	7	Couple and it's properties, Reduction of system of forces into a force couple system. Numericals on equivalent force involving co-planer force systems acting on body,	15/05/2019	BCEL107	A
1	8	Numerical on Reduction of Force System into Single Resultant & Numerical on reduction of system of forces into a force couple system	15/05/2019	BCEL107	A
2	9	Equilibrium of Two Dimensional Force System : Force System :Concept of equilibrium, Principles of equilibrium, Equations of Equilibrium,	16/05/2019	BCEL107	A
2	10	Lami's theorem, Numericals on equilibrium involving co-planer force systems acting on body.	16/05/2019	BCEL107	A
2	11	Beam : Beam, Simply Supported Beam, Overhanging Beam, Beam reaction, Types of load acting over beam i.e. Concentrated load, Uniformly distribute load (UDL), Uniformly varying load (UVL),	20/05/2019	BCEL107	A
2	12	Types of support i.e. Simple support, Hinge support, Roller Support,	20/05/2019	BCEL107	A
2	13	Numerical on reaction of beam subjected to combination of loads.	21/05/2019	BCEL107	A
2	14	Numerical on reaction of beam subjected to combination of loads.	21/05/2019	BCEL107	A
2	15	Analysis of Truss : Perfect Frame, Imperfect frame, Deficient frame, Redundant frame,	22/05/2019	BCEL107	A
2	16	Assumptions made in analysis of truss, Method of joints,	22/05/2019	BCEL107	A
2	17	Numericals on forces in the members of a truss	23/05/2019	BCEL107	A
2	18	Numericals on forces in the members of a truss	23/05/2019	BCEL107	A
2	19	Method of sections, Numericals on forces in the members of a truss	27/05/2019	BCEL107	A
2	20	Numericals on forces in the members of a truss.	27/05/2019	BCEL107	A



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Course wise Teaching Plan for Session : Summer Term 2019

Course : Engineering Mechanics

Faculty : shrikant.solanke@raisoni.net -

Mr. Shrikant S. Solanke

Unit	Topic Code	Topic Covered	Date	Course	Section
2	21	TAE-1 : Crossword / Puzzle Competition	28/05/2019	BCEL107	A
3	22	Spatial Force System (Three Dimensional Force System) : Component of force in a space, Resultant spatial force system, Force multiplier, Cartesian form of representation of vector,	28/05/2019	BCEL107	A
3	23	Unit vector, Position vector, Displacement Vector, Scalar product or Dot product,	29/05/2019	BCEL107	A
3	24	Vector product or Cross product, Length of common perpendicular between two non-intersecting vectors, Shortest distance,	29/05/2019	BCEL107	A
3	25	Moment of force about point, Moment of force about axis, Moment arm of force about point,	30/05/2019	BCEL107	A
3	26	Moment arm of force about axis, Resultant moment, Couple,	30/05/2019	BCEL107	A
3	27	Friction : Definition of friction, Types of friction, Angle of repose	03/06/2019	BCEL107	A
3	28	Coulombs laws of dry friction, Analysis of rigid bodies on rough inclined surfaces, Numericals on friction	03/06/2019	BCEL107	A
3	29	TAE-2 : Seminar / Presentation / Self Study Technique (SST) Presentation & Seminar Topic of Students Academic Interest. Weight age : Contents = 2 Mark. Presentation & Delivery of Seminar: 3 Marks. OR Submission of Numerical (5-10) on the Topic Allotted for Self Study with Viva Voce. = 5 Marks.	04/06/2019	BCEL107	A
4	30	Properties of Areas : Centroid of plane areas, Moment of Inertia of composite lamina, Radius of gyration,	04/06/2019	BCEL107	A
4	31	Second moment of area, Parallel axis theorem, theorem & Product of inertia, Perpendicular axis, Polar moment of inertia,	06/06/2019	BCEL107	A



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Course : Engineering Mechanics

Faculty : shrikant.solanke@raisoni.net -

~~Mr. Shrikant S. Solanke~~

Unit	Topic Code	Topic Covered	Date	Course	Section
4	32	Moment of inertia & product of inertia about new axes,	06/06/2019	BCEL107	A
4	33	Numerical on Properties of Areas	10/06/2019	BCEL107	A
4	34	Numerical on Properties of Areas	10/06/2019	BCEL107	A
4	35	Virtual Work : Virtual Displacement, Definition of virtual work, Principles of virtual work	11/06/2019	BCEL107	A
4	36	Virtual work method applied to beams, frames & mechanisms	11/06/2019	BCEL107	A
4	37	Numerical On Virtual Work	12/06/2019	BCEL107	A
4	38	Numerical On Virtual Work	12/06/2019	BCEL107	A



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Course wise Teaching Plan for Session : Summer Term 2019

Course : Differential and Vector Calculus

Faculty :

~~archana.deshpande@raisoni.net~~
Archana A. Bestipande

Unit	Topic Code	Topic Covered	Date	Course Code	Faculty
1	1	Discussion of Syllabus and Cos	23/05/2019	BFYL102	A
1	2	Leibnitz's Theorem	24/05/2019	BFYL102	A
1	3	Taylor's series for one variable. Maclaurin series for one variable	24/05/2019	BFYL102	A
1	4	. Indeterminate forms	27/05/2019	BFYL102	A
1	5	Applications of maxima and minima for function of one variable	27/05/2019	BFYL102	A
2	6	Functions of several variables, First and higher order derivatives	28/05/2019	BFYL102	A
1	7	CAE-1	28/05/2019	BFYL102	A
2	8	Chain rules, Total differential coefficient	29/05/2019	BFYL102	A
2	9	Chain rules, Total differential coefficient	29/05/2019	BFYL102	A
3	10	Jacobian Properties of Jacobian,	30/05/2019	BFYL102	A
3	11	Solenoidal motion & Irrotational motion ,Line integral,	30/05/2019	BFYL102	A
3	12	, Differentiation of vectors, Gradient of scalar point function, Directional derivatives Divergence and Curl of vector point function	31/05/2019	BFYL102	A
3	13	Solenoidal motion & Irrotational motion ,Line integral,	31/05/2019	BFYL102	A
3	14	Examples	03/06/2019	BFYL102	A
3	15	Revision	03/06/2019	BFYL102	A
3	16	VECTOR CALCULUS	04/06/2019	BFYL102	A
3	17	Directional derivative	04/06/2019	BFYL102	A
3	18	Gradient of Vector function	05/06/2019	BFYL102	A
3	19	Divergence and Curl of vector point function	05/06/2019	BFYL102	A
3	20	Vector Integration	06/06/2019	BFYL102	A



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Course wise Teaching Plan for Session : Summer Term 2019

Course : Differential and Vector Calculus

Faculty :

Unit	Topic Code	Topic Covered	Date	Course	Faculty
3	21	Directional derivative	06/06/2019	BFYL102	A
3	22	Divergence and Curl of vector point function	07/06/2019	BFYL102	A
3	23	Vector Integration	07/06/2019	BFYL102	A
3	24	Directional derivative	10/06/2019	BFYL102	A
3	25	Revision	10/06/2019	BFYL102	A
3	26	Revision	11/06/2019	BFYL102	A
3	27	revision	11/06/2019	BFYL102	A



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Course wise Teaching Plan for Session : Summer Term 2019

Course : Matrices

Faculty :

~~archana.deshpande@raisoni.net~~

Unit	Topic Code	Topic Covered	Date	Course	Faculty
1	1	Discussion of Syllabus ,COS, TAE,CAE	06/05/2019	BFYL101	A
1	2	Matrices:Introduction and revision on Previous knowledge	06/05/2019	BFYL101	A
1	3	Invesr by adjoint method	07/05/2019	BFYL101	A
1	4	Solving system of liner equation by Jacobi's method	07/05/2019	BFYL101	A
1	5	Jacobis iteration method to solve linear system of equation	08/05/2019	BFYL101	A
1	6	Inverse by partitioning method	08/05/2019	BFYL101	A
1	7	Consistency of linear system of equation	09/05/2019	BFYL101	A
1	8	Consistency of system of linear equation	09/05/2019	BFYL101	A
1	9	Consistency for system of linear equations	10/05/2019	BFYL101	A
1	10	Linear dependence.	10/05/2019	BFYL101	A
1	11	Basis and Span of vectors.	13/05/2019	BFYL101	A
1	12	Characteristics equation,Eigen values and its properties.	13/05/2019	BFYL101	A
1	13	Examples	14/05/2019	BFYL101	A
1	14	Examples	14/05/2019	BFYL101	A
1	15	Eigen vectors.	15/05/2019	BFYL101	A
1	16	Reduction to diagonal form	15/05/2019	BFYL101	A
1	17	Determination of largest eigen values and corresponding eigen vector by Iteration method.	16/05/2019	BFYL101	A
1	18	Cayley Hamilton theorem (statement & verification).	16/05/2019	BFYL101	A
1	19	Sylvester's theorem	17/05/2019	BFYL101	A
1	20	TERM WORK:Soiving second order differential equations in MATLAB and its simulink model	17/05/2019	BFYL101	A



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Course wise Teaching Plan for Session : Summer Term 2019

Course : Matrices

Faculty :

Unit	Topic Code	Topic Covered	Date	Course	Faculty
1	21	Examples	20/05/2019	BFYL101	A
1	22	Problems	20/05/2019	BFYL101	A
1	23	examples	21/05/2019	BFYL101	A
1	24	Various applications of matrices	21/05/2019	BFYL101	A
1	25	Applications of matrices in Mesh analysis	22/05/2019	BFYL101	A
1	26	TERM WORK: Solving matrix in MATLAB, TERM WORK: Prepare .m file in MATLAB to solve simultaneous equations by matrix method.	22/05/2019	BFYL101	A
1	27	Mesh Analysis	23/05/2019	BFYL101	A



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Course wise Teaching Plan for Session : Summer Term 2019

Course : Integral and Multiple Calculus

Faculty : bhagwat.thakran@raisoni.net -

Mr. Bhagwat Thakran

Unit	Topic Code	Topic Covered	Date	Course	Section
1	1	Review of Curve tracing	06/05/2019	BFYL103	A
1	2	Gamma function	06/05/2019	BFYL103	A
1	3	Gamma function	08/05/2019	BFYL103	A
1	4	Beta function	08/05/2019	BFYL103	A
1	5	Beta function	09/05/2019	BFYL103	A
1	6	Relation between beta and gamma function	09/05/2019	BFYL103	A
1	7	Relation between beta and gamma function	10/05/2019	BFYL103	A
1	8	applications to area	10/05/2019	BFYL103	A
1	9	applications to length	13/05/2019	BFYL103	A
1	10	applications to volume and surface area	13/05/2019	BFYL103	A
1	11	Differentiation under integral sign	14/05/2019	BFYL103	A
1	12	Differentiation under integral sign	14/05/2019	BFYL103	A
2	13	Double integral	15/05/2019	BFYL103	A
2	14	Double integral	15/05/2019	BFYL103	A
2	15	Change of variables	16/05/2019	BFYL103	A
2	16	Change of variables	16/05/2019	BFYL103	A
2	17	Change order of integration	17/05/2019	BFYL103	A
2	18	Change order of integration	17/05/2019	BFYL103	A
2	19	Triple integral	20/05/2019	BFYL103	A
2	20	Triple integral	20/05/2019	BFYL103	A
3	21	Applications of multiple integral such as area	21/05/2019	BFYL103	A
3	22	Applications of multiple integral such as area	21/05/2019	BFYL103	A



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Course wise Teaching Plan for Session : Summer Term 2019

Course : Integral and Multiple Calculus

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Unit	Topic Code	Topic Covered	Date	Course	Section
3	23	Applications of multiple integral such as mass	22/05/2019	BFYL103	A
3	24	Applications of multiple integral such as mass	22/05/2019	BFYL103	A
3	25	Applications of multiple integral such as volume	23/05/2019	BFYL103	A
3	26	Applications of multiple integral such as volume	23/05/2019	BFYL103	A
3	27	Applications of multiple integral such as centre of gravity	24/05/2019	BFYL103	A



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Course wise Teaching Plan for Session : Summer Term 2019

Course : Ordinary and Partial Differential Equations

Faculty : bhagwat.thakran@raisoni.net -

Mr. Bhagwat Thakran

Unit	Topic Code	Topic Covered	Date	Course	Section
1	1	First order first degree differential equations	24/05/2019	BFYL104	-
1	2	Linear differential equation	27/05/2019	BFYL104	-
1	3	Linear differential equation	27/05/2019	BFYL104	-
1	4	Reducible to linear differential equation	28/05/2019	BFYL104	-
1	5	Reducible to linear differential equation	28/05/2019	BFYL104	-
1	6	exact differential equations	29/05/2019	BFYL104	-
2	7	Higher order linear differential equations with constant coefficients	29/05/2019	BFYL104	-
2	8	Higher order linear differential equations with constant coefficients	30/05/2019	BFYL104	-
2	9	Cases of C.F.	30/05/2019	BFYL104	-
2	10	Cases of P.I.	31/05/2019	BFYL104	-
2	11	Cases of P.I.	31/05/2019	BFYL104	-
2	12	Cases of P.I.	03/06/2019	BFYL104	-
2	13	Method of variation of parameters	03/06/2019	BFYL104	-
2	14	Method of variation of parameters	04/06/2019	BFYL104	-
2	15	Cauchy's and Legendre homogeneous differential equations	04/06/2019	BFYL104	-
3	16	Simultaneous differential equations	06/06/2019	BFYL104	-
3	17	Simultaneous differential equations	06/06/2019	BFYL104	-
3	18	Special types of differential equations	07/06/2019	BFYL104	-
3	19	Special types of differential equations	07/06/2019	BFYL104	-
3	20	Applications of differential equations to engineering systems	10/06/2019	BFYL104	-
3	21	Applications of differential equations to engineering systems	10/06/2019	BFYL104	-



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Course wise Teaching Plan for Session : Summer Term 2019

Course : Ordinary and Partial Differential Equations

Faculty : bhagwat.thakran@raisoni.net -

Mr. Bhagwat Thakran

Unit	Topic Code	Topic Covered	Date	Course	Section
4	22	Introduction to Partial Differential equations	11/06/2019	BFYL104	-
4	23	Introduction to Partial Differential equations	11/06/2019	BFYL104	-
4	24	Partial differential equation of first order and its types	12/06/2019	BFYL104	-
4	25	Partial differential equation of first order and its types	12/06/2019	BFYL104	-



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Course wise Teaching Plan for Session : Summer Term 2019

Course : AC and DC Circuits

Faculty :

vedashree.rajderkar@raisoni.net - Mrs.

Vedashree Prakash Rajderkar

Unit	Topic Code	Topic Covered	Date	Course	Practical
1	1	Circuits Elements(R, L, C), Kirchoffs Law	05/05/2019	BEEL101	A
1	2	Superposition principle & Theorem	05/05/2019	BEEL101	A
1	3	numericals	06/05/2019	BEEL101	A
1	4	numericals	06/05/2019	BEEL101	A
1	5	Norton's theorem, Thevenin's theorem	07/05/2019	BEEL101	A
1	6	numericals	07/05/2019	BEEL101	A
1	7	Voltage source, (definition, characteristics of practical source, equivalent current source)	08/05/2019	BEEL101	A
1	8	numericals	08/05/2019	BEEL101	A
1	9	Star-Delta transformation.	09/05/2019	BEEL101	A
2	10	numericals	09/05/2019	BEEL101	A
2	11	numericals	10/05/2019	BEEL101	A
2	12	Flux, mmf, reluctance	10/05/2019	BEEL101	A
2	13	numericals	13/05/2019	BEEL101	A
2	14	analogous electric circuits, simple calculations for composite magnetic circuits.	13/05/2019	BEEL101	A
2	15	numericals	14/05/2019	BEEL101	A
2	16	Periodic functions, average & rms values,	14/05/2019	BEEL101	A
2	17	Steady state behaviours with sinusoidal excitation, phasor representation	15/05/2019	BEEL101	A
2	18	reactance and impedance, Series and Parallel A.C. circuits, resonance, power in A. C. circuits,	15/05/2019	BEEL101	A
2	19	power factor, Principle of generation of single phase & Three phase voltages	16/05/2019	BEEL101	A



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Course wise Teaching Plan for Session : Summer Term 2019

Course : AC and DC Circuits

Faculty :

vedashree.rajderkar@raisoni.net - Mrs.

Unit	Topic Code	Topic Covered	Date	Vedashree Rajderkar	Prakash Rajderkar
2	20	Power in balanced three phase A.C. systems.	16/05/2019	BEEL101	A
2	21	numericals	17/05/2019	BEEL101	A
2	22	numericals	17/05/2019	BEEL101	A