



G H RAISONI COLLEGE OF ENGINEERING AND MANAGEMENT WAGHOLI PUNE

(An Autonomous Institute under UGC Act 1956 & Affiliated to Savitribai Phule Pune University)

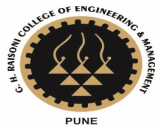
Domkhel Road , GAT No.: 1200 Wagholi, Pune – 412207

Course wise Teaching Plan for Session : Summer 2019

Course : FIELD THEORY

Faculty : pranav.chippalkatti@raisoni.net - PRANAV PRADIP CHIPPALKATTI

Unit	Topic Code	Topic Covered	Date	Course	Section
1	1	Tutorial-1	03/12/2018	BECL205	A
1	1	Introduction to Cartesian,	03/12/2018	BECL205	A
1	1	Introduction to Cartesian,	03/12/2018	BECL205	A
1	1	Tutorial-1	03/12/2018	BECL205	A
1	2	Tutorial-1	03/12/2018	BECL205	A
1	2	Tutorial-1	03/12/2018	BECL205	A
1	3	Tutorial-1	03/12/2018	BECL205	A
1	3	Tutorial-1	03/12/2018	BECL205	A
1	4	Tutorial-1	03/12/2018	BECL205	A
1	4	Tutorial-1	03/12/2018	BECL205	A
1	2	Cylindrical and spherical coordinate systems,	05/12/2018	BECL205	A
1	2	Cylindrical and spherical coordinate systems,	05/12/2018	BECL205	A
1	3	Concept of Gradient	07/12/2018	BECL205	A
1	3	Concept of Gradient	07/12/2018	BECL205	A
1	4	Divergence and curl, Electric field intensity	07/12/2018	BECL205	A
1	4	Divergence and curl, Electric field intensity	07/12/2018	BECL205	A
1	5	Flux density, Gauss's law	10/12/2018	BECL205	A
1	5	Flux density, Gauss's law	10/12/2018	BECL205	A
2	5	Tutorial-2	10/12/2018	BECL205	A
2	5	Tutorial-2	10/12/2018	BECL205	A
2	6	Tutorial-2	10/12/2018	BECL205	A
2	6	Tutorial-2	10/12/2018	BECL205	A
2	7	Tutorial-2	10/12/2018	BECL205	A
2	7	Tutorial-2	10/12/2018	BECL205	A

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Unit	Topic Code	Topic Covered	Date	Course	Section
2	8	Tutorial-2	10/12/2018	BECL205	A
2	8	Tutorial-2	10/12/2018	BECL205	A
1	6	Divergence, divergence theorem	12/12/2018	BECL205	A
1	6	Divergence, divergence theorem	12/12/2018	BECL205	A
1	7	Electric potential and potential gradien	14/12/2018	BECL205	A
1	7	Electric potential and potential gradien	14/12/2018	BECL205	A
1	8	Current density and continuity equation	14/12/2018	BECL205	A
1	8	Current density and continuity equation	14/12/2018	BECL205	A
2	9	B-S law	17/12/2018	BECL205	A
2	9	B-S law	17/12/2018	BECL205	A
3	9	Tutorial-3	17/12/2018	BECL205	A
3	9	Tutorial-3	17/12/2018	BECL205	A
3	10	Tutorial-3	17/12/2018	BECL205	A
3	10	Tutorial-3	17/12/2018	BECL205	A
3	11	Tutorial-3	17/12/2018	BECL205	A
3	11	Tutorial-3	17/12/2018	BECL205	A
3	12	Tutorial-3	17/12/2018	BECL205	A
3	12	Tutorial-3	17/12/2018	BECL205	A
2	10	Ampere's circuital law and applications	19/12/2018	BECL205	A
2	10	Ampere's circuital law and applications	19/12/2018	BECL205	A
2	11	Magnetic flux and Flux density	21/12/2018	BECL205	A
2	11	Magnetic flux and Flux density	21/12/2018	BECL205	A
2	12	Flux density, Scalar and Vector magnetic potentials.	21/12/2018	BECL205	A
2	12	Flux density, Scalar and Vector magnetic potentials.	21/12/2018	BECL205	A



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Unit	Topic Code	Topic Covered	Date	Course	Section
2	13	Scalar and Vector magnetic potentials	24/12/2018	BECL205	A
2	13	Scalar and Vector magnetic potentials	24/12/2018	BECL205	A
4	13	Tutorial-4	24/12/2018	BECL205	A
4	13	Tutorial-4	24/12/2018	BECL205	A
4	14	Tutorial-4	24/12/2018	BECL205	A
4	14	Tutorial-4	24/12/2018	BECL205	A
4	15	Tutorial-4	24/12/2018	BECL205	A
4	15	Tutorial-4	24/12/2018	BECL205	A
4	16	Tutorial-4	24/12/2018	BECL205	A
4	16	Tutorial-4	24/12/2018	BECL205	A
2	14	Maxwell's equations for steady fields	26/12/2018	BECL205	A
2	14	Maxwell's equations for steady fields	26/12/2018	BECL205	A
3	15	Maxwell's equations for steady fields	28/12/2018	BECL205	A
3	15	Maxwell's equations for steady fields	28/12/2018	BECL205	A
3	16	Maxwell's equations for time varying fields	28/12/2018	BECL205	A
3	16	Maxwell's equations for time varying fields	28/12/2018	BECL205	A
3	17	Maxwell's equations for time varying fields	31/12/2018	BECL205	A
3	17	Maxwell's equations for time varying fields	31/12/2018	BECL205	A
5	17	Tutorial-5	31/12/2018	BECL205	A
5	17	Tutorial-5	31/12/2018	BECL205	A
5	18	Tutorial-5	31/12/2018	BECL205	A
5	18	Tutorial-5	31/12/2018	BECL205	A
5	19	Tutorial-5	31/12/2018	BECL205	A
5	19	Tutorial-5	31/12/2018	BECL205	A



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5	20	Tutorial-5	31/12/2018	BECL205	A
5	20	Tutorial-5	31/12/2018	BECL205	A
3	18	Electric and magnetic boundary conditions.	02/01/2019	BECL205	A
3	18	Electric and magnetic boundary conditions.	02/01/2019	BECL205	A
3	19	Electric and magnetic boundary conditions.	04/01/2019	BECL205	A
3	19	Electric and magnetic boundary conditions.	04/01/2019	BECL205	A
3	20	Electromagnetic wave equation	04/01/2019	BECL205	A
3	20	Electromagnetic wave equation	04/01/2019	BECL205	A
4	21	Wave propagation in free space, in a perfect dielectric, and perfect conductor	07/01/2019	BECL205	A
6	21	Tutorial-6	07/01/2019	BECL205	A
4	21	Wave propagation in free space, in a perfect dielectric, and perfect conductor	07/01/2019	BECL205	A
6	21	Tutorial-6	07/01/2019	BECL205	A
6	22	Tutorial-6	07/01/2019	BECL205	A
6	22	Tutorial-6	07/01/2019	BECL205	A
6	23	Tutorial-6	07/01/2019	BECL205	A
6	23	Tutorial-6	07/01/2019	BECL205	A
6	24	Tutorial-6	07/01/2019	BECL205	A
6	24	Tutorial-6	07/01/2019	BECL205	A
4	22	Wave propagation in free space, in a perfect dielectric, and perfect conductor	09/01/2019	BECL205	A
4	22	Wave propagation in free space, in a perfect dielectric, and perfect conductor	09/01/2019	BECL205	A
4	23	Wave propagation in free space, in a perfect dielectric, and perfect conductor	14/01/2019	BECL205	A



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Unit	Topic Code	Topic Covered	Date	Course	Section
4	23	Wave propagation in free space, in a perfect dielectric, and perfect conductor	14/01/2019	BECL205	A
7	25	Tutorial-7	14/01/2019	BECL205	A
7	25	Tutorial-7	14/01/2019	BECL205	A
7	26	Tutorial-7	14/01/2019	BECL205	A
7	26	Tutorial-7	14/01/2019	BECL205	A
7	27	Tutorial-7	14/01/2019	BECL205	A
7	27	Tutorial-7	14/01/2019	BECL205	A
7	28	Tutorial-7	14/01/2019	BECL205	A
7	28	Tutorial-7	14/01/2019	BECL205	A
4	24	Skin effect,	16/01/2019	BECL205	A
4	24	Skin effect,	16/01/2019	BECL205	A
4	25	Poynting vector and Poynting theorem,	18/01/2019	BECL205	A
4	25	Poynting vector and Poynting theorem,	18/01/2019	BECL205	A
4	26	Reflection and refraction of uniform plane wave at normal incidence plane	18/01/2019	BECL205	A
4	26	Reflection and refraction of uniform plane wave at normal incidence plane	18/01/2019	BECL205	A
4	27	Reflection at oblique incident angle	21/01/2019	BECL205	A
4	27	Reflection at oblique incident angle	21/01/2019	BECL205	A
8	29	Tutorial-8	21/01/2019	BECL205	A
8	29	Tutorial-8	21/01/2019	BECL205	A
8	30	Tutorial-8	21/01/2019	BECL205	A
8	30	Tutorial-8	21/01/2019	BECL205	A
8	31	Tutorial-8	21/01/2019	BECL205	A
8	31	Tutorial-8	21/01/2019	BECL205	A
8	32	Tutorial-8	21/01/2019	BECL205	A



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Unit	Topic Code	Topic Covered	Date	Course	Section
8	32	Tutorial-8	21/01/2019	BECL205	A
4	28	Introduction of WAVEGUIDES	23/01/2019	BECL205	A
4	28	Introduction of WAVEGUIDES	23/01/2019	BECL205	A
5	29	Wave equation in Cartesian coordinates,	25/01/2019	BECL205	A
5	29	Wave equation in Cartesian coordinates,	25/01/2019	BECL205	A
5	30	Rectangular waveguide,	25/01/2019	BECL205	A
5	30	Rectangular waveguide,	25/01/2019	BECL205	A
5	31	TE, TM,TEM waves in rectangular guides	28/01/2019	BECL205	A
5	31	TE, TM,TEM waves in rectangular guides	28/01/2019	BECL205	A
9	33	Tutorial-9	28/01/2019	BECL205	A
9	33	Tutorial-9	28/01/2019	BECL205	A
9	34	Tutorial-9	28/01/2019	BECL205	A
9	34	Tutorial-9	28/01/2019	BECL205	A
9	35	Tutorial-9	28/01/2019	BECL205	A
9	35	Tutorial-9	28/01/2019	BECL205	A
9	36	Tutorial-9	28/01/2019	BECL205	A
9	36	Tutorial-9	28/01/2019	BECL205	A
5	32	Wave impedance, losses in waveguide	30/01/2019	BECL205	A
5	32	Wave impedance, losses in waveguide	30/01/2019	BECL205	A
5	33	Introduction to circular waveguide	01/02/2019	BECL205	A
5	33	Introduction to circular waveguide	01/02/2019	BECL205	A
5	34	Retarded potential,	01/02/2019	BECL205	A
5	34	Retarded potential,	01/02/2019	BECL205	A
6	35	Electric and magnetic fields due to oscillating dipole (alternating current element)	04/02/2019	BECL205	A

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6	35	Electric and magnetic fields due to oscillating dipole (alternating current element)	04/02/2019	BECL205	A
10	37	Tutorial-10	04/02/2019	BECL205	A
10	37	Tutorial-10	04/02/2019	BECL205	A
10	38	Tutorial-10	04/02/2019	BECL205	A
10	38	Tutorial-10	04/02/2019	BECL205	A
10	39	Tutorial-10	04/02/2019	BECL205	A
10	39	Tutorial-10	04/02/2019	BECL205	A
10	40	Tutorial-10	04/02/2019	BECL205	A
10	40	Tutorial-10	04/02/2019	BECL205	A
6	36	Power radiated and radiation resistance,	06/02/2019	BECL205	A
6	36	Power radiated and radiation resistance,	06/02/2019	BECL205	A
6	37	Application to short monopole and dipole. Antenna Efficiency	08/02/2019	BECL205	A
6	37	Application to short monopole and dipole. Antenna Efficiency	08/02/2019	BECL205	A
6	38	Beam width, Radiation Intensity	08/02/2019	BECL205	A
6	38	Beam width, Radiation Intensity	08/02/2019	BECL205	A
6	39	Radiation Intensity, Directive Gain Power Gain and Front To Back Ratio. Advance topics on the subject	11/02/2019	BECL205	A
6	39	Radiation Intensity, Directive Gain Power Gain and Front To Back Ratio. Advance topics on the subject	11/02/2019	BECL205	A
6	40	Directive Gain Power Gain and Front To Back Ratio. Advance topics on the subject	13/02/2019	BECL205	A
6	40	Directive Gain Power Gain and Front To Back Ratio. Advance topics on the subject	13/02/2019	BECL205	A