



List of Courses in Academic Year 2017 - 2018

SL.NO	Course Code	Course Name
1	0BSBS102	Applied Mathematics - I
2	0BSBS107	Applied Mathematics - I (Tutorials)
3	0BSBS108	Applied Chemistry
4	0BSBS158	Applied Chemistry Laboratory
5	0BSES109	Basic Electronics
6	0BSES110	Engineering Mechanics
7	0BSES111	Basic Mechanical Engineering
8	0BSES112	Computer Programming
9	0BSES157	Basic Electronic Engineering Laboratory
10	0BSES159	Engineering Mechanics Laboratory
11	0BSES160	Basic Mechanical Engineering Laboratory
12	0BSES161	Computer Programming Laboratory
13	0BSBS101	Applied Physics
14	0BSBS113	Applied Mathematics II
15	0BSBS114	Applied Mathematics II Tutorial
16	0BSBS152	Applied Physics Laboratory
17	0BSES103	Basic Electrical Engineering
18	0BSES104	Basic Civil Engineering
19	0BSES105	Engineering Graphics
20	0BSES151	Workshop Practice
21	0BSES154	Basic Civil Engineering Laboratory
22	0BSES155	Engineering Graphics Laboratory
23	0BSHS106	Professional Communication
24	0BSHS156	Professional Communication Laboratory
25	0BSES153	Basic Electrical Engineering Laboratory
26	AE201	Engineering Mathematics – III
27	AE202	Applied Thermodynamics
28	AE203	Fluid Mechanics
29	AE204	Elements of Aeronautics
30	AE205	Mechanics of Solids
31	AE206	Professional Skill Development
32	AE207	Aircraft Component Drawing
33	AE208	Computer Programming using C++
34	AE209	Aerodynamics-I
35	AE210	Aircraft Production Technology



List of Courses in Academic Year 2017 - 2018

SL.NO	Course Code	Course Name
36	AE211	Material Science and Engineering
37	AE212	Applied Numerical Methods
38	AE213	Electrical, Electronics and Communications Engineering
39	AE214	Instrumentation Lab
40	AE215	Computer Aided Drafting Lab
41	AE216	Aircraft Production Technology Lab
42	AE301	Aircraft Structures
43	AE302	Aerodynamics-II
44	AE303	Aerospace Propulsion-I
45	AE304	Flight Mechanics-I
46	AE305	Air Transportation System
47	AE306	Aircraft Structures Lab
48	AE307	Aerodynamics Lab
49	AE308	Mini Project-I
50	AE309	Mechanics and Mechanisms
51	AE310	Design of Aircraft Structures
52	AE311	Aerospace Propulsion-II
53	AE312	Industrial Management and Operation Research
54	AE313	Flight Mechanics-II
55	AE314	Aerodynamics and Propulsion Lab
56	AE315	Seminar
57	AE316	Mini – Project II
58	AE401	Mechanical Vibration and Structural Dynamics
59	AE402	Computational Aerodynamics
60	AE403	Control Theory- Application to Flight Control System
61	AE404A	Helicopter Theory
62	AE404B	Aircraft Design
63	AE404C	Airframe Maintenance and Repair
64	AE405A	Industrial Aerodynamics
65	AE405B	Heat Transfer
66	AE406	Industrial Training
67	AE407	Project Phase-I
68	AE411	Finite Element Method
69	AE412	Avionics and Instrument System
70	AE414A	Hypersonic Aerodynamics



List of Courses in Academic Year 2017 - 2018

SL.NO	Course Code	Course Name
71	AE414C	Composite Material and Structures
72	AE415A	Satellite Communication and Navigation
73	AE415B	Probability and Statistics
74	AE416	Project Phase-II


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List of Courses in Academic Year 2018 - 2019

SL.NO	Course Code	Course Name
1	0BSBS102	Applied Mathematics - I
2	0BSBS107	Applied Mathematics - I (Tutorials)
3	0BSBS108	Applied Chemistry
4	0BSBS158	Applied Chemistry Laboratory
5	0BSES109	Basic Electronics
6	0BSES110	Engineering Mechanics
7	0BSES111	Basic Mechanical Engineering
8	0BSES112	Computer Programming
9	0BSES157	Basic Electronic Engineering Laboratory
10	0BSES159	Engineering Mechanics Laboratory
11	0BSES160	Basic Mechanical Engineering Laboratory
12	0BSES161	Computer Programming Laboratory
13	0BSBS101	Applied Physics
14	0BSBS113	Applied Mathematics II
15	0BSBS114	Applied Mathematics II Tutorial
16	0BSBS152	Applied Physics Laboratory
17	0BSES103	Basic Electrical Engineering
18	0BSES104	Basic Civil Engineering
19	0BSES105	Engineering Graphics
20	0BSES151	Workshop Practice
21	0BSES154	Basic Civil Engineering Laboratory
22	0BSES155	Engineering Graphics Laboratory
23	0BSHS106	Professional Communication
24	0BSHS156	Professional Communication Laboratory
25	0BSES153	Basic Electrical Engineering Laboratory
26	0AEBS201	Applied Mathematics - III
27	0AEPC202	Applied Thermodynamics
28	0AEPC203	Fluid Mechanics
29	0AEPC204	Solid Mechanics
30	0AEPC205	Introduction to Aerospace Engineering
31	0AEES251	Computer Programming with C++
32	0AEPC252	Applied Thermodynamics Laboratory
33	0AEPC253	Fluid Mechanics Laboratory
34	0AEPC254	Solid Mechanics Laboratory
35	0AEPC255	Aircraft Component Drawing



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SL.NO	Course Code	Course Name
36	0AEBS206	Numerical Analysis
37	0AEPC207	Aircraft Production Technology
38	0AEPC208	Aircraft Materials
39	0AEPC209	Aerodynamics - I
40	0AEPC210	Propulsion - I
41	0AEHS211	Environmental Studies
42	0AEPC256	Numerical Analysis using Programing Language
43	0AEPC257	Aircraft Production Technology Laboratory
44	0AEPC258	Aircraft Materials Laboratory
45	0AEPC259	Aerodynamics - I Laboratory
46	0AEPC260	Propulsion - I Laboratory
47	AE301	Aircraft Structures
48	AE302	Aerodynamics-II
49	AE303	Aerospace Propulsion-I
50	AE304	Flight Mechanics-I
51	AE305	Air Transportation System
52	AE306	Aircraft Structures Lab
53	AE307	Aerodynamics Lab
54	AE308	Mini Project-I
55	AE309	Mechanics and Mechanisms
56	AE310	Design of Aircraft Structures
57	AE311	Aerospace Propulsion-II
58	AE312	Industrial Management and Operation Research
59	AE313	Flight Mechanics-II
60	AE314	Aerodynamics and Propulsion Lab
61	AE315	Seminar
62	AE316	Mini – Project II
63	AE401	Mechanical Vibration and Structural Dynamics
64	AE402	Computational Aerodynamics
65	AE403	Control Theory- Application to Flight Control System
66	AE404A	Helicopter Theory
67	AE404B	Aircraft Design
68	AE405	Industrial Aerodynamics
69	AE406	Industrial Training
70	AE407	Project Phase-I



List of Courses in Academic Year 2018 - 2019

SL.NO	Course Code	Course Name
71	AE411	Finite Element Method
72	AE412	Avionics and Instrument System
73	AE414A	Hypersonic Aerodynamics
74	AE414C	Composite Material and Structures
75	AE415A	Satellite Communication and Navigation
76	AE415B	Probability and Statistics
77	AE416	Project Phase-II


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List of Courses in Academic Year 2019 - 2020

SL.NO	Course Code	Course Name
1	1AEBS101	Applied Mathematics - I
2	1AEBS102	Applied Physics
3	1AEES103	Engineering Mechanics : Statics
4	1AEES104	Basic Electrical Electronics and Communication Engineering
5	1AEES105	Computer Programing in C
6	1AEHS106	Professional Communication
7	1AEES151	Computer Programing in C Laboratory
8	1AEES152	Applied Physics Laboratory
9	1AEES153	Basic Electrical Electronics and Communication Engineering Lab
10	1AEBS107	Applied Chemistry
11	1AEBS108	Applied Mathematics - II
12	1AEES109	Engineering Graphics
13	1AEES110	Engineering Mechanics : Dynamics
14	1AEES111	Basic Mechanical Engineering
15	1AEES154	Engineering Graphics Laboratory
16	1AEBS155	Applied Chemistry Laboratory
17	1AEES156	Workshop I
18	1AEES157	Basic Mechanical Engineering Laboratory
19	0AEBS201	<u>Applied Mathematics - III</u>
20	0AEPC202	<u>Applied Thermodynamics</u>
21	0AEPC203	<u>Fluid Mechanics</u>
22	0AEPC204	<u>Solid Mechanics</u>
23	0AEPC205	<u>Introduction to Aerospace Engineering</u>
24	0AEES251	<u>Computer Programing with C++</u>
25	0AEPC252	<u>Applied Thermodynamics Laboratory</u>
26	0AEPC253	<u>Fluid Mechanics Laboratory</u>
27	0AEPC254	<u>Solid Mechanics Laboratory</u>
28	0AEPC255	<u>Aircraft Component Drawing</u>
29	0AEBS206	Numerical Analysis
30	0AEPC207	Aircraft Production Technology
31	0AEPC208	Aircraft Materials
32	0AEPC209	Aerodynamics - I
33	0AEPC210	Propulsion - I
34	0AEHS211	Environmental Studies
35	0AEPC256	Numerical Analysis using Programing Language



List of Courses in Academic Year 2019 - 2020

SL.NO	Course Code	Course Name
36	0AEPC257	Aircraft Production Technology Laboratory
37	0AEPC258	Aircraft Materials Laboratory
38	0AEPC259	Aerodynamics - I Laboratory
39	0AEPC260	Propulsion - I Laboratory
40	0AEPC301	Aircraft Structures
41	0AEPC302	Aerodynamics - II
42	0AEPC303	Linear Control Theory
43	0AEPC304	Aircraft Performance : AP
44	0AEPC305	Propulsion - II
45	0AEPC351	Aircraft Structures Laboratory
46	0AEPC352	Aerodynamics - II Laboratory
47	0AEPC353	Aircraft Performance Laboratory
48	0AEPC354	Non Destructive Testing Laboratory
49	0AEPC355	Computer Aided Drafting Laboratory
50	0AEPC356	Seminar
51	0AEMC306	Technical English
52	0AEPC307	Computational Fluid Dynamics
53	0AEHS308	Economics & Management
54	0AEPC309	Aircraft Stability & Control
55	0AEPC310	Aircraft Design
56	0AEPC311	Composite Materials and Structures
57	0AEPC357	Computational Fluid Dynamics Laboratory
58	0AEPC358	Unmanned Aerial Vehicles Laboratory
59	0AEPC359	Composite Materials and Structures Laboratory
60	0AEPC360	Aircraft Design Laboratory
61	0AEPR361	Mini Project
62	0AEMC312	Soft Skills
63	AE401	Mechanical Vibration and Structural Dynamics
64	AE402	Computational Aerodynamics
65	AE403	Control Theory- Application to Flight Control System
66	AE404A	Helicopter Theory
67	AE404B	Aircraft Design
68	AE405	Industrial Aerodynamics
69	AE406	Industrial Training
70	AE407	Project Phase-I



List of Courses in Academic Year 2019 - 2020

SL.NO	Course Code	Course Name
71	AE411	Finite Element Method
72	AE412	Avionics and Instrument System
73	AE413	Airport Planning and Operations
74	AE414A	Hypersonic Aerodynamics
75	AE414C	Composite Material and Structures
76	AE414E	Rocket and Missile Design
77	AE415	Satellite Communication and Navigation
78	AE415	Probability and Statistics
79	AE416	Project Phase-II


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List of Courses in Academic Year 2020 - 2021

SL.NO	Course Code	Course Name
1	1AEBS101	Applied Mathematics - I
2	1AEBS102	Applied Physics
3	1AEES103	Engineering Mechanics : Statics
4	1AEES104	Basic Electrical Electronics and Communication Engineering
5	1AEES105	Computer Programing in C
6	1AEHS106	Professional Communication
7	1AEES151	Computer Programing in C Laboratory
8	1AEES152	Applied Physics Laboratory
9	1AEES153	Basic Electrical Electronics and Communication Engineering Lab
10	1AEBS107	Applied Chemistry
11	1AEBS108	Applied Mathematics - II
12	1AEES109	Engineering Graphics
13	1AEES110	Engineering Mechanics : Dynamics
14	1AEES111	Basic Mechanical Engineering
15	1AEES154	Engineering Graphics Laboratory
16	1AEBS155	Applied Chemistry Laboratory
17	1AEES156	Workshop I
18	1AEES157	Basic Mechanical Engineering Laboratory
19	1AEBS201	Applied Mathematics - III
20	1AEES202	Fluid Mechanics
21	1AEES203	Mechanics of Materials
22	1AEES204	Applied Thermodynamics
23	1AEPC205	Introduction to Aerospace Engineering
24	1AEPC206	Aircraft Production Technology
25	1AEPC251	Aircraft Production Technology Laboratory
26	1AEES254	Fluid Mechanics Laboratory
27	1AEES255	Mechanics of Materials Laboratory
28	1AEES256	Applied Thermodynamics Laboratory
29	1AEES207	Numerical Analysis with Programming Language
30	1AEPC208	Low Speed Aerodynamics
31	1AEPC209	Air Breathing Propulsion
32	1AEPC210	Aerospace Materials and Structures
33	1AEPC211	Aircraft Systems and Instruments
34	1AEHS252	Professional Ethics
35	1AEMC253	Environmental Studies



List of Courses in Academic Year 2020 - 2021

SL.NO	Course Code	Course Name
36	1AEES257	Numerical Analysis with Programming Language Laboratory
37	1AEPC258	Low Speed Aerodynamics Laboratory
38	1AEPC259	Air Breathing Propulsion Laboratory
39	1AEPC260	Aerospace Materials and Structures Laboratory
40	0AEPC301	Aircraft Structures
41	0AEPC302	Aerodynamics - II
42	0AEPC303	Linear Control Theory
43	0AEPC304	Aircraft Performance : AP
44	0AEPC305	Propulsion - II
45	0AEPC351	Aircraft Structures Laboratory
46	0AEPC352	Aerodynamics - II Laboratory
47	0AEPC353	Aircraft Performance Laboratory
48	0AEPC354	Non Destructive Testing Laboratory
49	0AEPC355	Computer Aided Drafting Laboratory
50	0AEPC356	Seminar
51	0AEMC306	Technical English
52	0AEPC307	Computational Fluid Dynamics
53	0AEHS308	Economics & Management
54	0AEPC309	Aircraft Stability & Control
55	0AEPC310	Aircraft Design
56	0AEPC311	Composite Materials and Structures
57	0AEPC357	Computational Fluid Dynamics Laboratory
58	0AEPC358	Unmanned Aerial Vehicles Laboratory
59	0AEPC359	Composite Materials and Structures Laboratory
60	0AEPC360	Aircraft Design Laboratory
61	0AEPR361	Mini Project
62	0AEMC312	Soft Skills
63	0AEPC401	Vibrations and Structural Dynamics
64	0AEPC402	Aircraft General Engineering Maintenance
65	0AEPC420	Space Mechanics
66	0AEOE404	Experimental Aerodynamics
67	0AEOE406	Introduction to Unmanned Aerial Vehicles
68	0AEPE407	Experimental Aerodynamics
69	0AEPE408	Heat and Mass Transfer
70	0AEPE411	Helicopter Theory



List of Courses in Academic Year 2020 - 2021

SL.NO	Course Code	Course Name
71	0AEPC451	Structural Dynamics Laboratory
72	0AEPC452	Aircraft Systems Laboratory
73	0AEPC453	Virtual Instrumentation Laboratory
74	0AEPC454	Aircraft General Engineering Maintenance Laboratory
75	0AEPR455	Industrial Training
76	0AEPR456	Project Phase - I
77	0AEPC419	Avionics and Instrumentation
78	0AEPC421	Finite Element Analysis
79	0AEPE417	Program Elective - II : Airline and Airport Management
80	0AEPE414	Program Elective - II : Advanced Propulsion Systems
81	0AEPE426	Program Elective - III : Flight Scheduling and Operations
82	0AEPE425	Program Elective - III : Navigation, Guidance and Control
83	0AEPE432	Program Elective - IV : Air Traffic Control and Airport Management
84	0AEPE429	Program Elective - IV : Introduction to Propellant Technology
85	0AEPC457	Finite Element Analysis Laboratory
86	0AEPR458	Project Phase - II


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List of Courses in Academic Year 2021 - 2022

SL.NO	Course Code	Course Name
1	1AEBS101	Applied Mathematics - I
2	1AEBS102	Applied Physics
3	1AEES103	Engineering Mechanics : Statics
4	1AEES104	Basic Electrical Electronics and Communication Engineering
5	1AEES105	Computer Programing in C
6	1AEHS106	Professional Communication
7	1AEES151	Computer Programing in C Laboratory
8	1AEES152	Applied Physics Laboratory
9	1AEES153	Basic Electrical Electronics and Communication Engineering Lab
10	1AEBS107	Applied Chemistry
11	1AEBS108	Applied Mathematics - II
12	1AEES109	Engineering Graphics
13	1AEES110	Engineering Mechanics : Dynamics
14	1AEES111	Basic Mechanical Engineering
15	1AEES154	Engineering Graphics Laboratory
16	1AEBS155	Applied Chemistry Laboratory
17	1AEES156	Workshop I
18	1AEES157	Basic Mechanical Engineering Laboratory
19	1AEBS201	Applied Mathematics - III
20	1AEES202	Fluid Mechanics
21	1AEES203	Mechanics of Materials
22	1AEES204	Applied Thermodynamics
23	1AEPC205	Introduction to Aerospace Engineering
24	1AEPC206	Aircraft Production Technology
25	1AEPC251	Aircraft Production Technology Laboratory
26	1AEES254	Fluid Mechanics Laboratory
27	1AEES255	Mechanics of Materials Laboratory
28	1AEES256	Applied Thermodynamics Laboratory
29	1AEES207	Numerical Analysis with Programming Language
30	1AEPC208	Low Speed Aerodynamics
31	1AEPC209	Air Breathing Propulsion
32	1AEPC210	Aerospace Materials and Structures
33	1AEPC211	Aircraft Systems and Instruments
34	1AEHS252	Professional Ethics
35	1AEMC253	Environmental Studies



List of Courses in Academic Year 2021 - 2022

SL.NO	Course Code	Course Name
36	1AEES257	Numerical Analysis with Programming Language Laboratory
37	1AEPC258	Low Speed Aerodynamics Laboratory
38	1AEPC259	Air Breathing Propulsion Laboratory
39	1AEPC260	Aerospace Materials and Structures Laboratory
40	1AEPC301	Aircraft Structures
41	1AEPC302	Flight Dynamics
42	1AEPC303	High Speed Aerodynamics
43	1AEPC304	Aerospace Propulsion
44	1AEPE305	Experimental Aerodynamics
45	1AEPE306	Heat and Mass Transfer
46	1AEPE307	Material Testing and Characterization
47	1AEOE311	Introduction to Flight
48	1AEPE351	Self-Learning Course (Supervised Learning)
49	1AEHS352	Communication Skills and Competencies
50	1AEPC356	Aircraft Structures Laboratory
51	1AEPC357	Flight Dynamics Laboratory
52	1AEPC305	Vibration and Structural Dynamics
53	1AEPC306	Computational Fluid Dynamics
54	1AEPC307	Space Dynamics
55	1AEPE320	Introduction to Aircraft Design (PE II)
56	1AEOE321	Lighter Than Air Systems
57	1AEHS353	Constitution of India
58	1AEPR354	Internship
59	1AEPR355	Mini - Project
60	1AEPC358	Vibration and Structural Dynamics Laboratory
61	1AEPC359	Computational Fluid Dynamics Laboratory
62	0AEPC401	Vibrations and Structural Dynamics
63	0AEPC402	Aircraft General Engineering Maintenance
64	0AEPC420	Space Mechanics
65	0AEOE406	Introduction to Unmanned Aerial Vehicles
66	0AEPE412	Lighter-Than-Air Systems
67	0AEPC451	Structural Dynamics Laboratory
68	0AEPC452	Aircraft Systems Laboratory
69	0AEPC453	Virtual Instrumentation Laboratory
70	0AEPC454	Aircraft General Engineering Maintenance Laboratory



List of Courses in Academic Year 2021 - 2022

SL.NO	Course Code	Course Name
71	0AEPR455	Industrial Training
72	0AEPR456	Project Phase - I
73	0AEPC419	Avionics and Instrumentation
74	0AEPC421	Finite Element Analysis
75	0AEPE413	Hypersonic Aerodynamics (PE II)
76	0AEPE414	Advanced Propulsion Systems (PE II)
77	0AEPE427	Aircraft Rules and Regulations - DGCA (CAR) (PE III)
78	0AEPE432	Air Traffic Control and Airport Management (PE IV)
79	0AEPC457	Finite Element Analysis Laboratory
80	0AEPR458	Project Phase - II


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