



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited with 'A' grade by NAAC
Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai - 600 119.

Phone: 044 - 2450 3150 / 3151 / 3152 / 3154 / 3155 Fax: 044 - 2450 2344
www.sathyabama.ac.in



SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF AERONAUTICAL ENGINEERING
Students Circular

16.01.2020

Ref: SIST/Aero/Elective/Even /2019-2020

The online Registration of elective courses for 6th Semester UG students (2017 Batch) has been started. Selection of the course can be made online through the Google form submission link. This selection of Elective courses should be carried out on or before 06.02.2020. After the registration date the details of registration and course coordinator will be shared by the year coordinator. The enrollment of course registration is based on first come. The concerned elective course coordinators are responsible for deployment, Progress, attendance and assessment of the course.

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LIST OF ELECTIVE COURSES OFFERED FOR EVEN SEMESTER 2019-2020
(6th Semester)

S.No	Course code	Courses offered
1	SMEA3001	Additive Manufacturing
2	SAEA3001	Theory of Elasticity
3	SAEA3002	Aviation Management
4	SAEA3003	Airframe Maintenance and Repair Practices
5	SAEA3004	Aircraft Design
6	SAEA3005	Industrial Aerodynamics
7	SAEA3006	Cryogenic Engineering
8	SAEA3007	Rocket and Space Mechanics
9	SAEA3008	Mechanical Behavior of Aircraft Materials
10	SAEA3009	Advanced Flight Dynamics
11	SAEA3010	Launch Vehicles and Spacecraft Propulsion
12	SAEA3011	Plates and Shells
13	SAEA3014	Boundary layer Theory
14	SAEA3015	High Temperature Materials
15	SAEA3016	Flight Vehicles' Guidance and Control
16	SAEA3017	Manned Space Mission
17	SAEA3018	Helicopter Maintenance
18	SAEA3019	Orbital Mechanics
19	SAEA3020	Heat Transfer Techniques

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LIST OF ELECTIVE COURSES OFFERED FOR EVEN SEMESTER 2019-2020

(8th Semester)

S.No	Course code	Courses offered
1	SME1609	Cryogenic Engineering
2	SAE1603	Airframe Maintenance and Repair Practices
3	SAE1604	Airline Operations and Management
4	SAE1606	Civil Aircraft Rules and Regulations
5	SAE1609	Helicopter Maintenance
6	SAE1611	Launch Vehicles and Spacecraft Propulsion
7	SAE1614	Spacecraft Technology
8	SAE1615	UAV System Design

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11.07.2019

Ref: SIST/Aero/Elective/odd /2019-2020

The online Registration of elective courses for 5th Semester UG students (2017 Batch) has been started. Selection of the course can be made online through the Google form submission link. This selection of Elective courses should be carried out on or before 19.08.2019. After the registration date the details of registration and course coordinator will be shared by the year coordinator. The enrollment of course registration is based on first come. The concerned elective course coordinators are responsible for deployment, Progress, attendance and assessment of the course.

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LIST OF ELECTIVE COURSES OFFERED FOR ODD SEMESTER 2019-2020
(5th Semester)

S.No	Course code	Courses offered
1	SMEA3001	Additive Manufacturing
2	SAEA3001	Theory of Elasticity
3	SAEA3002	Aviation Management
4	SAEA3003	Airframe Maintenance and Repair Practices
5	SAEA3004	Aircraft Design
6	SAEA3005	Industrial Aerodynamics
7	SAEA3006	Cryogenic Engineering
8	SAEA3007	Rocket and Space Mechanics
9	SAEA3008	Mechanical Behavior of Aircraft Materials
10	SAEA3009	Advanced Flight Dynamics
11	SAEA3010	Launch Vehicles and Spacecraft Propulsion
12	SAEA3011	Plates and Shells
13	SAEA3014	Boundary layer Theory
14	SAEA3015	High Temperature Materials
15	SAEA3016	Flight Vehicles' Guidance and Control
16	SAEA3017	Manned Space Mission
17	SAEA3018	Helicopter Maintenance
18	SAEA3019	Orbital Mechanics
19	SAEA3020	Heat Transfer Techniques

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LIST OF ELECTIVE COURSES OFFERED FOR ODD SEMESTER 2019-2020

(7th Semester)

S.No	Course code	Courses offered
1	SME1609	Cryogenic Engineering
2	SAE1603	Airframe Maintenance and Repair Practices
3	SAE1604	Airline Operations and Management
4	SAE1606	Civil Aircraft Rules and Regulations
5	SAE1609	Helicopter Maintenance
6	SAE1611	Launch Vehicles and Spacecraft Propulsion
7	SAE1614	Spacecraft Technology
8	SAE1615	UAV System Design

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LIST OF ELECTIVE COURSES OFFERED FOR EVEN SEMESTER 2018-2019

(6th Semester)

S.No	Course code	Courses offered
1	SME1607	Computational Fluid Dynamics
2	SME1614	Experimental Stress Analysis
3	SME1620	Theory of Elasticity
4	SAE1601	Advanced Flight Dynamics
5	SAE1602	Aero Elasticity
6	SAE1607	Hypersonic Aerodynamics
7	SAE1608	Helicopter Aerodynamics
8	SAE1610	Industrial Aerodynamics
9	SAE1613	Plates and Shells
10	SAE1616	Mechanical Behavior of Aircraft Materials

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LIST OF ELECTIVE COURSES OFFERED FOR EVEN SEMESTER 2018-2019

(8th Semester)

S.No	Course code	Courses offered
1	SME1609	Cryogenic Engineering
2	SAE1603	Airframe Maintenance and Repair Practices
3	SAE1604	Airline Operations and Management
4	SAE1606	Civil Aircraft Rules and Regulations
5	SAE1609	Helicopter Maintenance
6	SAE1611	Launch Vehicles and Spacecraft Propulsion
7	SAE1614	Spacecraft Technology
8	SAE1615	UAV System Design

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16.07.2018

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The online Registration of elective courses for 5th Semester UG students (2016 Batch) has been started. Selection of the course can be made online through the Google form submission link. This selection of Elective courses should be carried out on or before 15.08.2018. After the registration date the details of registration and course coordinator will be shared by the year coordinator. The enrollment of course registration is based on first come. The concerned elective course coordinators are responsible for deployment, Progress, attendance and assessment of the course.

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LIST OF ELECTIVE COURSES OFFERED FOR ODD SEMESTER 2018-2019
(5th Semester)

S.No	Course code	Courses offered
1	SME1607	Computational Fluid Dynamics
2	SME1614	Experimental Stress Analysis
3	SME1620	Theory of Elasticity
4	SAE1601	Advanced Flight Dynamics
5	SAE1602	Aero Elasticity
6	SAE1607	Hypersonic Aerodynamics
7	SAE1608	Helicopter Aerodynamics
8	SAE1610	Industrial Aerodynamics
9	SAE1613	Plates and Shells
10	SAE1616	Mechanical Behavior of Aircraft Materials

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LIST OF ELECTIVE COURSES OFFERED FOR ODD SEMESTER 2018-2019

(7th Semester)

S.No	Course code	Courses offered
1	SME1609	Cryogenic Engineering
2	SAE1603	Airframe Maintenance and Repair Practices
3	SAE1604	Airline Operations and Management
4	SAE1606	Civil Aircraft Rules and Regulations
5	SAE1609	Helicopter Maintenance
6	SAE1611	Launch Vehicles and Spacecraft Propulsion
7	SAE1614	Spacecraft Technology
8	SAE1615	UAV System Design

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24.01.2018

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LIST OF ELECTIVE COURSES OFFERED FOR EVEN SEMESTER 2017-2018

(6th Semester)

S.No	Course code	Courses offered
1	SME1609	Cryogenic Engineering
2	SAE1603	Airframe Maintenance and Repair Practices
3	SAE1604	Airline Operations and Management
4	SAE1606	Civil Aircraft Rules and Regulations
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6	SAE1611	Launch Vehicles and Spacecraft Propulsion
7	SAE1614	Spacecraft Technology
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10.07.2017

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The online Registration of elective courses for 7th Semester UG students (2014 Batch) has been started. Selection of the course can be made online through the Google form submission link. This selection of Elective courses should be carried out on or before 03.08.2017. After the registration date the details of registration and course coordinator will be shared by the year coordinator. The enrollment of course registration is based on first come. The concerned elective course coordinators are responsible for deployment, Progress, attendance and assessment of the course.

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LIST OF ELECTIVE COURSES OFFERED FOR ODD SEMESTER 2017-2018

(7th Semester)

S.No	Course code	Courses offered
1	SAEX 1033	Computer Aided Design and Analysis
2	SAEX 1034	Aircraft Materials
3	SAEX 1035	Aeroelasticity
4	SAEX 1036	Advanced Control System Design for Aerospace Vehicles
5	SAEX 1037	Aircraft Navigation, Guidance and Control
6	SAEX 1038	Flight Control Systems Design
7	SAEX 1039	Unmanned Aircraft Systems
8	SAEX 1040	Robotics Engineering
9	SAEX 1041	Cryogenics
10	SAEX 1042	Spacecraft Technology
11	SAEX 1043	Launch Vehicles and Spacecraft Propulsion
12	SAEX1044	Orbital Mechanics

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13.07.2016

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The online Registration of elective courses for 7th Semester UG students (2013 Batch) has been started. Selection of the course can be made online through the Google form submission link. This selection of Elective courses should be carried out on or before 10.08.2016. After the registration date the details of registration and course coordinator will be shared by the year coordinator. The enrollment of course registration is based on first come. The concerned elective course coordinators are responsible for deployment, Progress, attendance and assessment of the course.

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LIST OF ELECTIVE COURSES OFFERED FOR ODD SEMESTER 2016-2017

(7th Semester)

S.No	Course code	Courses offered
1	SAEX 1033	Computer Aided Design and Analysis
2	SAEX 1034	Aircraft Materials
3	SAEX 1035	Aeroelasticity
4	SAEX 1036	Advanced Control System Design for Aerospace Vehicles
5	SAEX 1037	Aircraft Navigation, Guidance and Control
6	SAEX 1038	Flight Control Systems Design
7	SAEX 1039	Unmanned Aircraft Systems
8	SAEX 1040	Robotics Engineering
9	SAEX 1041	Cryogenics
10	SAEX 1042	Spacecraft Technology
11	SAEX 1043	Launch Vehicles and Spacecraft Propulsion
12	SAEX1044	Orbital Mechanics

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(DEEMED TO BE UNIVERSITY)

Accredited with 'A' grade by NAAC
Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai - 600 119.

Phone: 044 - 2450 3150 / 3151 / 3152 / 3154 / 3155 Fax: 044 - 2450 2344
www.sathyabama.ac.in



SCHOOL OF MECHANICAL ENGINEERING

DEPARTMENT OF AERONAUTICAL ENGINEERING

Students Circular

13.01.2017

Ref: SIST/Aero/Elective/Even /2016-2017

The online Registration of elective courses for 6th Semester UG students (2014 Batch) has been started. Selection of the course can be made online through the Google form submission link. This selection of Elective courses should be carried out on or before 13.02.2017. After the registration date the details of registration and course coordinator will be shared by the year coordinator. The enrollment of course registration is based on first come. The concerned elective course coordinators are responsible for deployment, Progress, attendance and assessment of the course.

HOD/AERO

Head of the Department
Department of Aeronautical Engineering
Sathyabama University
Jeppiaar Nagar, Rajiv Gandhi Salai,
Chennai - 600 119, Tamilnadu, India



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LIST OF ELECTIVE COURSES OFFERED FOR ODD SEMESTER 2016-2017

(7th Semester)

S.No	Course code	Courses offered
1	SAEX 1023	Computational Fluid Dynamics
2	SAEX 1024	Wind Tunnel Techniques
3	SAEX 1025	Aircraft Design
4	SAEX 1026	Helicopter Aerodynamics
5	SAEX 1027	Advanced Flight Dynamics
6	SAEX 1028	Helicopter Maintenance
7	SAEX 1029	Air Transportation and Aircraft Maintenance
8	SAEX 1030	Aircraft Rules and Regulations
9	SAEX 1031	Airline Operations and Management
10	SAEX 1032	Aircraft Maintenance Management

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