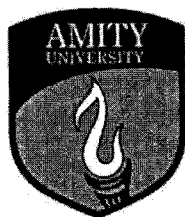


Academic Framework Regulations 2017-18

*Achieving Excellence through Academic Innovation,
Industry Integration and Information
Communication Technology*



AMITY UNIVERSITY HARYANA

*These regulations apply to programmes of study offered by Amity University
Haryana where delivery of the programme of study commences in the year 2017*

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1. Amity - A Legacy of Excellence in Quality Education

Amity University Haryana is a part of India's leading education group, which has pioneered a global culture in education in India. Amity University Haryana is built on a foundation, which embodies all the qualities that have made Amity institutes world class. Over the years, it has instituted global standards in education, training and research with state-of-the-art infrastructure, the latest teaching methodologies and its **digital initiative**. Amity University offers UGC (India's apex education body) recognized degree, valid across the world for job opportunities and higher studies in India and abroad. With the mission to train future leaders of the corporate world, the university strives to blend modernity with tradition in each of its students.

The University has 6 Faculty of Studies viz. (1) Faculty of Management Studies & Behavioural Sciences (2) Faculty of Science Engineering & Technology (3) Faculty of Arts (4) Faculty of Law (5) Faculty of Health & Allied Sciences and (6) Faculty of Architecture & Planning which have 16 Institutions (**Annexure-1**). For the session beginning 2017, the University offers 104 programmes (**Annexure-2**). As part of continuous improvement in providing quality education with focus on **flexibility and ICT enabled learning**, Amity University Haryana has introduced the **Choice based credit system** and integrated **ICT** in its academic framework.

2. Introduction to the Academic Framework

2.1 The purpose of the Academic Framework and Regulation is to ensure academic excellence and uphold the quality standards of the University through standardization of academic systems and processes and also to ensure equity, transparency and choice for students and staff.

2.2 The University operates on a credit based academic framework and has adopted the Choice based credit system (CBCS) or the Flexible Credit System as it is popularly called. Under this the students can register for courses of their choice and interest and alter the pace of learning within the broad framework of academic programmes and credit requirements.

2.3 The University may make changes to the Academic framework and regulations with the due approval of the Academic Council. These modifications may be necessitated from time to time due to reasons which include changes enabling new research to be brought into the curriculum, due to technological advancement, changes agreed in response to feedback received from stakeholders and those initiated by professional, statutory and regulatory bodies.

2.4 The academic framework has been created taking into consideration the UGC regulations.

2.5 There may be exceptions to the regulations in case of certain programmes which are governed by professional body's regulatory framework like programmes in Architecture, Nursing, Law, Audiology, Clinical Psychology etc. The requirement of the regulatory body would take precedence in such cases. However, the University regulatory requirements need to be incorporated in the design and operations of such programmes to the maximum extent possible.

2.6 Definitions

2.6.1 Semester- All Programmes under Choice based credit system shall adopt a semester system. There will be two semester in an academic year. The Odd Semester will be from July to December and Even Semester from January to June. Each semester will consist of 15-18 weeks of academic work.

2.6.2 Summer Semester (Provision): A summer semester is offered under a fast track mode, considering the less number of days available during the summer vacation. Unless otherwise specified explicitly, all rules and regulations applicable to a course offered during a regular semester is applicable to the course/ certification courses/ workshops offered during the summer semester. Like Odd and Even semesters, a separate semester Grade Sheet will be issued for the courses registered during the summer semester. Though courses will be offered during summer semester to help students to clear their backlog, it is not binding on the University to offer courses during summer.

2.6.3 Academic Program- This refers to a sequence of study i.e. a combination of courses leading to the award of a qualification such as an undergraduate degree or diploma postgraduate/ doctoral level qualification

2.6.4 Choice Based Credit System (CBCS)- The CBCS provides choice for students to select from the prescribed courses (core, concentration elective or open elective or skill based courses).

2.6.5 Blended Learning Approach- A blended learning approach combines online digital media with traditional learning methods for the teaching learning process.

2.6.6 Massive Open Online Courses (MOOCs)- These are online courses available for anyone to enrol with an object of providing an affordable and flexible way to acquire knowledge

2.6.7 Course- A distinct unit of study within a program (also referred to as subject) which is evaluated and credits are earned. Each course is completed in a semester and is identified by a unique code. A course can have one or more of the following components associated with the teaching learning process.

(i) Lecture-L

(ii) Tutorial-T-Tutorial sessions will primarily involve participatory discussion, doubt clearing, flipped classroom, student led seminars, lecture demonstration, blended learning pedagogy in classroom and problem solving or any other method which facilitates the student to absorb more effectively the contents delivered in the lecture session.

(iii) Practical-P-Practical session consist of hands on experience/ Laboratory experiments that equip the students to acquire the skill component.

(iv) Clinical/ Field Study/ Self Study

2.7 Different courses of study can be labelled as follows

2.7.1 Core Course- A course which should compulsorily be studied by every candidate, who is enrolled for a particular academic program, is referred to as a core course.

2.7.2 Concentration Elective- These are courses which can be chosen from a pool of courses in related areas which give the student an in-depth understanding of his core area. These courses can also be referred to as depth courses. These may also include discipline specific workshops, projects or certification courses.

2.7.3 Open Elective- An elective course chosen generally from an unrelated discipline / area with an intention to give a student exposure and a broader perspective. These courses may also be referred to as breadth courses.

Note: *A core course in a program may be an open elective for another program.*

2.7.4 Non Credit Course- These are courses which a student has to successfully complete to get his degree. However such a course does not contribute towards the credits earned by the student. For non-credit courses, evaluation will be done but no credit units will be assigned. They will be reflected in the grade sheet with result as “satisfactory” or “Unsatisfactory”.

2.7.5 Self Study Courses- These are courses which a student studies on his own with advisory support from a teacher. These courses generally support or supplement the other courses by helping the student acquire special or advanced knowledge. These courses include projects, term paper, readings etc.

2.8 Syllabus - A course syllabus is a detailed course descriptor that explains what a student is going to study in that course. Each course will have a course code, course title, LTP (Lecture, Tutorials, Practical), course prerequisites (if any), course objectives, suggested text and reference books, and the mode of evaluation adopted.

2.9 Course Manual- A course manual consists of a list of lectures/ experiments carried out in each instructional class/ lab by the course teacher during the semester as per the LTP of the course, with details like course objective, mode of delivery, reference material used, and the detailed session plans etc.

2.10 Programme Duration- The minimum duration of a programme generally students are expected to take is given in **Annexure-2**. All programmes come to an end when the student earns the minimum course and credit requirements as specified by the programme curriculum concerned. However, degree will be awarded only upon the completion of the minimum duration of the programme.

2.11 Credits- These are numeric values of individual courses which contribute to the total credit requirement of an academic program. 1 credit represents atleast 12 study hours with a student. e.g. A student enrolled in MGT2151 (3 credits) will spend a minimum of 36 hours for this course in a semester.

2.11.1 Credits for a course can be calculated as follows:

- (i) One lecture (L) hour per week should be counted as 1 credit per semester
- (ii) One tutorial (T) hour per week should be counted as 1 credit per semester
- (iii) Two practical/laboratory/workshop/ Field work (P) per week should be counted as 1 credit per semester
- (iv) For Clinical Practice 24 hours per semester to be counted as 1 credit per semester.

2.12 Major/Minor Credential- Additional credits acquired in focused discipline other than his/her major programme discipline entitles a student to get a ‘Minor’ credential. Schools offering various programmes can offer ‘Minors’ in their disciplines, and will prescribe what set of courses and/or

projects are necessary for earning a minor in that discipline. A major is an area in which you choose to concentrate most of your studies.

e.g. Management Studies, Journalism, Civil Engineering. A minor is a secondary area of concentrated study that relates to the major or is of purely personal interest.

3. Choice Based Credit System/ Flexible Credit System

3.1 Background- Achieving **academic excellence** expresses the core philosophy at Amity University Haryana and this is the driving force behind rigorous academic programmes and high quality teaching which instil a spirit of learning amongst students. Our academic processes focus on

- A high level scholastic achievement
- An involving attention to detail.
- Quality Research and innovation.
- Advanced critical analysis

Amity University Haryana has the vision to develop as an **Industry Integrated University** We believe in learning that takes students beyond the classroom and into the real world where they must use instinct, negotiating skills, collaboration and experiential learning with innovation.

Our pedagogy offers the opportunity to explore intellectual possibility. A coherent, integrated curriculum is the backbone. It challenges the young Amitian to risk an opinion, to listen to the voice of others, to explore intellectual pathways and to discover new academic passions.

Our academic processes need to be aligned with our philosophy of achieving academic excellence and vision of being an Industry Integrated University. **The introduction of the Choice based Credit System/ Flexible Credit System** in the form of Flexi Learn from January 2013 is a step towards the same. The flexible credit system focuses on leveraging the talent and innovative capabilities of the budding professionals to meet the needs of the contemporary dynamic business environment thus making the student more industry ready.

3.2 What Choice Based Credit System Means

Choice based credit system offers **cross programme education** i.e. it allows students to opt for courses cutting across disciplines. This enables the students to acquire a more holistic perspective and thus have better understanding of issues. The student has flexibility as he has a wide option of courses to choose from. For example a student pursuing BA Economics Honors can now choose courses from disciplines other than Economics like a course in Photography or Animation. Flexible credit system also permits credit transfers and earning credits through MOOCs and live projects. It gives the students the flexibility to **design their own degree**.

3.3 Objectives of the Choice Based Credit System

- (i) A multi disciplinary and application oriented focus is expected to make the student industry ready.
- (ii) The student will be able to build on his strength areas by choosing courses in areas which interest him.
- (iii) Develop innovative and creative skills by giving the students a wider perspective through a wide array of course offerings

3.3.1 Highlights of Flexi Learn

(i) The course delivery is a perfect blend of

- Blended learning
- Classroom contact sessions
- Workshops/ Seminars/ Certification programme
- Substantial project work and Assignments with industry relevance

(ii) **Value added courses:** Students have the option of choosing value added courses during the course of their programme. These are courses in various areas which help students get an edge over others and contribute towards their overall holistic development. For example the students can choose from the following foreign languages- French, German, Spanish, Russian, Chinese, Korean & Japanese (30 to 36 contact hours per semester).

(iii) **Study Abroad Program-**The student has the option of earning credits through a well designed 4 – 6 weeks study abroad program which helps the student to get global exposure.

(iv) The courses belong to areas which are important for the holistic development of an individual. These areas includes

- Values and ethics
- Environmental Issues
- Technology
- Communication
- Cross Cultural exposure

3.4 **Flexibility-** Under the CBCS the student has the following options

(i) Option of choosing a minor along with the major area of study.

(ii) Allow credit transfer from one programme to another (in case the student decides to shift) – subject to meeting the eligibility criteria.

(iii) Freedom to choose courses from other programmes.

(iv) Earn credits through live projects/ community projects/ workshops.

(v) Option of taking a break after diploma and then continuing to earn a degree.

(vi) Transfer credits to other universities (in case of twinning programme with universities abroad)

(vii) Course credits through MOOC's

3.5 **Structure of Choice Based Credit System**

To successfully earn a degree a student has to complete certain fixed number of credits. These credits can be earned through the following categories of courses

3.5.1 **Core courses-** Every semester a student compulsorily takes these courses. These courses may include compulsory summer internships and projects, dissertation, field study/ clinical exposure etc.

3.5.2 **Concentration Electives-** These are courses in related areas which a student takes to get a deeper understanding. A student can choose his subjects from a list of subjects available to him. However a **minimum cohort of 10 students** in a subject is mandatory to run a course.

These courses also include Projects, Workshops/ Certification (Discipline specific), Term papers and Study Abroad Program (4-6 weeks)

3.5.3 Open Electives- These are the courses being offered across the university by any of the schools/Institutes. The following open electives are compulsory for all students

- (i) Foreign Language – A student can choose from the following languages- French, German, Spanish, Russian, Chinese, Portuguese, Korean & Japanese
- (ii) Courses in Behavioural Science (1 Credit per semester)
- (iii) Courses in Communication Skill (1 Credit per semester)
- (iv) Environmental Studies (for all UG programs)

In addition to the above courses the student can choose from a list of courses being offered by other schools/ centres of excellence. A student has to earn 3 credits per semester from these courses. These courses have been grouped into various tracks and if a student earns **18 credits** from courses in a particular track he/she is eligible to get a **minor** in that track area. For example if a student follows the Animation track and chooses one course each semester for 6 semesters from that track , at the end of the programme he will get a B.A. (Honors) degree with a minor in Animation. The list of minor track areas as mentioned in **Annexure-3**

3.6 Foreign Language Level Based Courses:

3.6.1 The level-based courses were introduced in the Academic year 2012- 13, wherein the students simultaneously get prepared for international accreditation. These level based courses are designed with the dual purpose of providing a uniform, transparent and coherent basis for elaboration of foreign language syllabus across all languages taught in AUH and follow the course books prescribed by CEFR and assessment pattern similar to that of the international accreditation in Foreign Languages. The Common European Framework of Reference (CEFR/CEF/CEFRL) is also intended to make it easier for educational institutions & employers to evaluate the qualification of candidates to educational admission or employment. The levels of proficiency achieved by the students after Sem-3 (PG) and Sem-5 (UG) are as follows:

Language	PG Level Foreign Business Language (FBL)	UG Level Foreign Language (FL)
Chinese	HSK level 1+2 after sem-3 PG courses	HSK level 3 after sem-5-7 UG courses
Korean	Korean(Topik) Level 1+2 after sem-3	Korean Level 1+2+3 After sem-5
Russian	Russian Level 1+2 after sem-3	Russian Level 1+2+3 After Sem-5
German	European frame work Level A1+A2 after sem-3.	European Frame work level A1+A2 after sem-5. The book prescribed for general students is more exhaustive, needs more teaching hrs and hence students attain A2 proficiency level only.
Spanish	European Frame work level A1+ A2 after sem-3	European Frame work level A1+ A2+B1 after Sem-5
French	European Frame work Level A1+A2 after sem-3	European frame work level A1+A2+B1 after sem5

(i) Chinese Government has revised the syllabus and made it as per the European Frame work Syllabus into 6 levels, it calls it Hanyu Shuiping Kaoshi (HSK) Chinese language level examination. Similarly Russian, Korean have also revised their language proficiency levels into 6 levels and have given different nomenclature.

(ii) According to the Common European Framework of Reference (CEFR/CEF/CEFR) a student is required to complete 180-200 hrs to attain A2 proficiency in the given language. FL is a 3 credit course in the first two semesters and a 2 credit course then onwards. Since each class is held for 55 minutes, we are able to attain only A2 level in German.

(iii) The Korean language falls outside the purview of the European framework for language proficiency. The Korean government conducts proficiency exam for the desiring students. It is divided into two levels- TOPIK 1 and TOPIK 2. These levels are further divided into 6 levels, 1, 2 under TOPIK 1 and 3, 4, 5 and 6 under TOPIK 2. By the end of the UG foreign language course, the student attains Level 3 of TOPIK 2 as per the Korean proficiency prescribed by the Korean government. By the end of the PG course, the student attains Level 2 of TOPIK 1.

3.7 Industry Integration and Research Orientation

3.7.1 Keeping in line with our philosophy of being an **industry integrated and research oriented university** the curriculum is so designed that the students are exposed to an industry and research environment through live projects, summer internships, term papers, field visits and dissertations. These form an integral part of the curriculum.

3.7.2 **Summer/ Industrial Internship-** During their tenure in the University, students get exposure to academic environment which is different from the environment at the industry, wherein they are expected to be placed. To get this exposure, all students should undergo four/six/eight weeks of industrial internship for UG and six to eight weeks for PG in a reputed industry in their respective branch. During the training, the student is expected to maintain a log of their activity and learning. At the end of the training, a report along with a completion certificate from the Industry where he/she had received the training is to be submitted to the Faculty Coordinator of his/her programme for evaluation.

3.7.3 **Student Project** - Students are expected to carry out an innovative project work in or related to the specialization of the programme by applying the knowledge they have gained in the courses/ labs. Depending on the nature of the project work, an individual student or a group of students may carry out the project within the University or outside, viz. in an industry, private/ government organization, or academic/ research institution. Each student will be assigned a faculty member as mentor within their School. In suitable cases, with the permission of Programme Coordinator, the student may opt for a guide outside their School also. The final project report will be evaluated by a panel of examiners consisting of Faculty Mentor, Industry Mentor (in case applicable) and two faculty experts.

3.7.4 **Dissertation-** Dissertation forms a part of the curricula of the final semester for most of the programmes. However to further promote a research culture resulting in meaningful research outcomes it is proposed to commence work on the dissertation at the end of the first semester under the guidance of a mentor. Also for **all Masters level programmes** it would be mandatory to have the dissertation resulting in **at least one research publication which would form a part of the evaluation scheme (Upto a maximum of 10 weightage marks can be allotted to research publication).**

3.7.5 **Interaction with industry expert to be integrated with curricula-** The enclosed strengthening the students orientation towards research and industry with an objective of to make

them more employable it is important that the students interact with experts from the industry on a regular basis. Experts from industry and academia can interact with the students during Guest lectures, Corporate Connect and Distinguished Speaker sessions. It is mandatory that **two sessions per course be taught by experts from the industry**. The topics have to be identified and clearly specified in the **course manual**. Also the **assessment of learning** from this interaction has to form a part of the overall internal evaluation. This interaction has been formalized by integrating it with the curricula.

3.8 Credit Requirements

The credit requirement for the various programs is as follows:

Credit Requirements

Programme	Credit requirement
3 year UG programme	150 credits
4 year UG programme	210 credits
4 year B.Tech programme	195 credits
5 year integrated UG programme	280 credits
5 year integrated (B.Tech. + M.Tech.) programme	260 credits
5 year integrated (B.Sc. + M.Sc.) programme	250 credits
1 year diploma	55 credits
1.5 year diploma	85 credits
2 year postgraduate programme	100 credits
2 year MBA programme	110 credits
3 year post graduate programme	170 credits
3 year part-time PG programme	90 credits
2 year M. Phil programme	130 credits

* 280 credits for Bachelor of Planning program

* 290 credits for Bachelor in Audiology & Speech Language Pathology

** 300 credits for Bachelor of Architecture program

The Credits for B.Sc (Nursing), B.Sc (Nursing) Post Basic & M.Sc. (Nursing) are regulated by Indian Nursing Council (INC)

3.9 Course Coding System

Each course is identified by a unique alphanumeric code. The coding system as mentioned in **Annexure-4** is applicable to all courses being offered by the university

(i) The course code comprises of 7 characters (3 alphabetical and 4 numeric)

(ii) The 3 alphabetical characters represent the discipline to which the course belongs and are referred to as **discipline descriptors**. **Annexure-4** shows the disciplines and the discipline descriptors along with the name of the school under which the particular discipline falls the end.

(iii) The 1st numeric character represents the level of the programme in which the course is being offered i.e. whether it is a Diploma /undergraduate /postgraduate or a doctoral level programme. It will be referred to as the **level indicator**

- 0- Certificate level
- 1- Undergraduate Diploma Level
- 2- Undergraduate level
- 3- Postgraduate Diploma level
- 4- Postgraduate level
- 5- MPhil/ doctoral level
- 6- Both UG and PG level
- 9- SAP Programs

(iv) The 2nd numeric character represents the semester in which the course is being offered. This is referred to as the **semester indicator**.

- 1-Semester 1
- 2-Semester 2
- 3- Semester 3
- 4-Semester 4 and so on

For a five year programme the tenth semester is represented by the digit 0

(v) The 3rd and 4th numeric character represents the course.

-The series from 50 onwards is reserved for courses being offered as open elective

-The following numeric's are reserved for the given courses

Readings- *****30

Term paper - *****31

Project *****32

Workshop *****33

Study Abroad *****34

Summer Project/ Summer Internship/ Training - *****35

Article Writing/Portfolio *****36

Internship/ Dissertation *****37

(vi) No course code should be repeated

(vii) The same course being taught in different programmes of the same level should have the same code

(viii) In case a course appears in two different semesters of two programmes within a discipline then the code of the course in the programme to which it primarily and logically belongs will be considered.

Illustration

MGT2101- Management Foundations

The course is a management course being offered by Amity Business School at UG level in the 1ST Semester

ANI2301- 3D Software

The course is an animation course being offered by Amity School of Communication at UG level in the 3rd Semester

3.9.2 Introducing New Courses/Revising Existing Courses

The courses are designed as per needs of the industry and other organizations offering employments to the students of the University. The new courses are created based on the feedback received from various stakeholders including faculty, students, academic experts and industry. A committee at the level of the department constituted for proposes the new courses or proposes revision of the existing curriculum.

The new course/revised course is discussed by the area experts and preliminary draft prepared. The preliminary draft of the course is placed in the meeting of **Board of studies** for discussion and modification. The curriculum finally approved by the board of studies is send for approvals to the academic office were in after approval the course is allotted the code.

The new/revised course duly assigned code is placed before the **Academic Council** for the final approval.

3.9.3 Constitution of Board of Studies

Board of Studies is to be constituted at the school/institute level. However in some cases the board of studies may be constituted at the **Faculty** level. The board of studies is required to have the following composition:

Director	Chairperson
All Professors	Members
1 Associate Professor	Member
1 Subject Expert	Member
1 External Expert	Member

3.9.4 Introducing new discipline descriptors

Whenever a school needs to introduce a new discipline descriptor approval has to be sought from Dean Academics. The following information must be included in the submission:

- (i) proposed alpha code;
- (ii) statement of justification;
- (iii) academic organization (school or organizational unit that will be responsible for administration of the courses under this discipline.

3.10 Grading System

The level of student's academic performance as the aggregate of continuous evaluation and end term examination shall be reflected by letter grades on a ten point scale according to connotation as given below

Connotation		
Grade	Qualitative meaning	Grade Point Attached
A+	Outstanding	10
A	Excellent	9
A-	Very Good	8
B+	Good	7
B	Above Average	6
B-	Average	5

C+	Satisfactory	4
C	Border Line	3
F	Fail	0

The semester performance of a student will be indicated as “Semester Grade Point Average (SGPA). The SGPA will be weighed average of Grade Points of all letter grades received by a student for all the course units in the semester. The formula for computing SGPA is given below

$$SGPA = \frac{U_1G_1 + U_2G_2 + U_3G_3 + \dots}{U_1 + U_2 + U_3 + \dots}$$

Where U_1, U_2, U_3 denote credits associated with courses taken by the student and G_1, G_2, G_3 are the Grade Point of the letter grades awarded in the respective Course.

CGPA is not applicable in first semester. CGPA is calculated on the basis of SGPA.

For example in II Semester the formula for CGPA is

$$CGPA = \frac{\text{Cumulative points secured in all passed course in I \& II Sem}}{\text{Cumulative Associated Credit Units in I \& II semesters}}$$

The successful candidates shall be placed in Divisions as below:

<u>CGPA</u>	<u>EQUIVALENT DIVISION</u>
8.5 & above	First class with Distinction
6.5 but less than 8.5	First Division
5.5 but less than 6.5 for UG programmes	Second Division
6.00 but less than 6.5 for PG programmes	Second Division

4. ICT Enabled Learning

4.1 Under the digital initiatives of Amity University Haryana, the teaching –learning processes of the University focus on the use of ICT. This is done with an objective of shifting the focus from a **teacher centric learning** process to a **student/ learner centric** learning process. Such an approach caters to the diverse needs of students allowing the students to engage in

- Choice*
- Collaboration*
- Communication*
- Critical thinking*
- Creativity*

4.2 Blended Learning Approach

4.2.1 A blended learning approach combines e-learning through online digital media with traditional classroom methods and independent study to create a new hybrid teaching methodology

with an objective of increasing the student engagement and bringing in flexibility in the teaching learning process. It represents, in many cases, a fundamental change in the way teachers and students approach the learning experience

4.2.2 The introduction and use of **digital platforms** provides a flexible approach to teaching and learning. Digital learning platforms include personalized learning technologies embedded around a digital text book and can be customized by faculty to suit the needs of a specific class. They can be used on any device and involve quizzes, problems and games to keep students interested in the topic.

4.2.3 Through this interface the students are **more engaged**, get **immediate feedback**, have better **retention** and are easily able to build a foundation of knowledge by learning new concepts. An additional innovative feature of these platforms is the use of **adaptive learning technology** wherein the lessons are individualized to assess the students knowledge and assess them with concepts they need help with.

4.2.4 A course created in a blended learning model uses the classroom time for activities that benefit the most from direct interaction. Traditional education (especially at the college level) tends to place an emphasis on delivering material by way of a lecture, while in a blended learning model lectures can be videotaped ahead of time so the student can watch on their own time. The classroom time is more likely to be for structured exercises that emphasize the application of the curriculum to solve problems or work through tasks.

4.2.5 During the blended learning session the teacher has to play the role of a facilitator of student learning by stimulating and challenging the students towards meaningful learning.

Facilitators focus on the following key areas:

- (i) Development and compilation of online and offline course content.
- (ii) Guiding the learning experience of individual students, and customizing material wherever possible to strengthen the learning experience.
- (iii) Assessment

4.3 Blended Learning and other Student Centric Pedagogical Tools

Blended learning has three primary components:

- (i) In-person classroom activities facilitated by a trained educator.
- (ii) Online learning materials, often including pre-recorded lectures
- (iii) Structured independent study time guided by the material in the lectures and skills developed during the classroom experience.

Following are some the blended learning and student centric pedagogical tools which faculty can choose from to include in their teaching pedagogy

4.3.1 **MOOCs**– Massive Open Online Courses - . These are online courses available for anyone to enrol with an objective of providing an affordable and flexible way to acquire knowledge
In addition to traditional course materials such as filmed lectures, readings, and assessment material, many MOOCs provide interactive user forums to support community interactions among students and the faculty.

Through MOOCs students have access to the expertise of eminent faculty from across the world resulting in enhanced academic rigour

4.3.2 Flipped Classrooms – It reverses the traditional approach to learning. Students watch the learners videos in their own time and space, giving them opportunity to work at their own pace. It also allows time in the classroom to be used in critical thinking

It is an activity that allows learners to occupy center stage in the learning process. Also this technique better utilizes the time of faculty-learner interaction. The learners become aware of the basic concepts through introductory videos and in the classroom they are able to participate and finally discover outcomes by giving a meaning to their experience.

4.3.3 Teach-back/ Student led Seminar

Teach Back means ‘Learn by explaining to other people what we think we know’. Teach back is a method of instruction in which learners make an oral presentation followed by discussion on a specific topic. Such seminars are more interactive than a lecture. For this mode of instruction to be effective, it is suggested that the faculty makes it as interactive as possible.

Overall Objectives of Learner Led Seminar Techniques/ Teach Back

- (i) To facilitate learners to understand the method of studying a topic/subject.
- (ii) To encourage learners to think about practical problems that may come up with a particular topic..
- (iii) To encourage learners to become independent and autonomous learners.

4.3.4 Simulation – These techniques can be used to teach many topics in engineering and social sciences. Simulation help in replicating real life situations to help the students experience the actual situation they would be facing.

4.3.5 Brainstorming/Problem solving – Brain storming is a technique used to generate large number of ideas. The technique was devised by Alex Faickney Osborn and was widely used by business managers to generate ideas and to find out creative ways of resolving management crisis around 1930s. Now the technique is also being used for teaching/learning, with certain modifications.

There are two types of brain storming (based on the number of participants):

4.3.6 Case Study - A Case Study is an open-ended actual story. It brings chunks of reality into the classroom.

- (i) This method is used for solving a difficult problem or in case of a dilemma without an obvious solution.
- (ii) It forces us to deal with a real life situation where we have to answer: “What do we do now?”
- (iii) The case study should be:
- (iv) Context-based, relevant and involve relatively realistic scenario or situation or problem.
- (v) Challenging but not too frustrating a problem, task, or situation.
- (vi) An open-ended problem or situation that requires careful formulation (one should definitely be able to find a solution).
- (vii) A problem or situation that motivates the learner to explore, investigate, and study.
- (viii) A problem or situation that encourages interaction: among learners, learners and facilitator, between learner and the outside resources.

Overall Objective of Case Study Method

- To offer a less instructive approach to teaching
- To stress on the development of learners' communication and higher order thinking skills
- To encourage learners to engage in critical analysis and ensure active learner participation

4.3.7 **Mini Survey/ Projects** - Survey research is one of the most important areas of measurement in applied social research. The broad area of survey research encompasses any measurement procedures that involve asking questions of respondents. A "survey" can be anything from a short paper-and-pencil feedback form to an intensive one-on-one in-depth interview. Similarly small projects with the industry support can help students understand the application of the concept.

4.4 **Integrating blended learning in the teaching learning process**

4.4.1 Faculty need to ensure that blended learning forms an integral part of the teaching learning process

4.4.2 The part of the course delivery to be done in blended learning / hybrid teaching learning approach should be reflected in the session plan being prepared by the faculty.

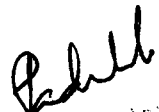
4.4.3 The faculty can decide on the **blended learning techniques** to be used in the class based on their suitability to help students understand a particular topic. For example for a course in psychology the students may be required to take up a related MOOC course. However the technique to be used has to be pre-decided and clearly mentioned in the session plan. Also availability of necessary resources in the form of relevant material required like videos, case studies etc should be ensured.

4.5 **Assessment Process**- Every faculty needs to design a well thought of **Assessment / Evaluation Process** which takes into consideration all the pedagogical components. The assessment should be such that the student performance is evaluated against the learning outcomes. . For example if a student goes through a MOOC to a study a specified topic a quiz or a problem solving exercise can be conducted by the faculty to assess the learning outcome.

4.6 **Pedagogical Training**- Faculty development programmes need to be conducted in the innovative pedagogical techniques, preparation of course manual and student assessment under the blended learning approach.

4.7 **MOOCs Resources**

A comprehensive list of MOOC resources will be available with the respective institutions. These include the UGC approved MOOCs courses June 2017 available on the Swayam Platform in the UGC website. Faculty can recommend these courses to the students and also included them in the course manual. Credits earned through these MOOC courses can contributed of the related course offered under the programme by the University. **(Annexure-5)**


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5. Course Manual

5.1 **Course Manual**- A structured comprehensive course manual is to be designed for each course by the faculty. The course objective and learning outcomes of the course should be clearly specified. The course manual serves as a planning document for the faculty and help in delivery of the course contents in an organized manner. It also helps the student to come prepared for the classes so that maximum benefit can be derived from the class time. The format to be followed is attached in **Annexure-6**.

5.2 The course Manual has to be submitted to the respective HOI's/HODs for an audit so as to ensure that the academic rigour is maintained in the teaching learning process.

5.3 Guidelines for preparing the Course Manual

5.3.1 Course Manual needs to be prepared for all **theory and practical courses**. However, this excludes all NTCC (Non teaching credit courses) viz. Term paper, Dissertation, Summer Training Evaluation, Project, Workshop, Research Paper, Study Abroad Programme.

5.3.2 **For blended learning and student centric approach** faculty may use one or more from the various techniques like MOOCS, Day with expert, Case Study, Teach Back, Quiz, Mini-Survey, Simulations/Games, Brain-Storming/Argumentation, Flipped classroom. However, this list is not exhaustive. Faculty may use any other suitable pedagogical technique to ensure optimal learning.

5.3.3 Keeping in line with philosophy of AUH of being an **industry integrated university** it is important that the students interact with experts from the industry on a regular basis. As previously stated in 3.7.5 **two sessions per course be taught by experts from the industry**. The topics have to be identified and clearly specified in the course manual. Also the **assessment of learning** from this interaction has to form a part of the overall internal evaluation.

5.3.4 The course manual should contain relevant study and reference material including cases, additional readings, as an annexure, URLs etc

6. Admissions

The University has developed an industry collaborative admission process, wherein, industry experts from different verticals are involved in the various stages of admission process to select students with right aptitude who would be future professionals. Therefore, the admission process is designed keeping in mind the aptitude required for a particular program which varies from program to program comprising of an English proficiency test, written test and/or Group discussion and Personal Interview.

Due weight age is also given to the previous academic performance of the candidate. Candidates with excellent academic record are eligible for meritorious scholarship with an exception to appear in the selection process.

The whole admission process is fully automated and comprises both Computer Based Test (CBT) and Paper Based Test (PBT), wherein, written test is conducted in various test centers across the country and Personal Interview is conducted through Video Conferencing, which gives greater flexibility to the candidates appearing in the admission test. The candidates interface with the University through an intranet based platform 'Amizone', starting from filling online application forms, submission of forms, selecting Interview test dates, their selection/rejection, admission offer letter and all other important information pertaining to their admission process. They also have facility to make online payment of fee

7. Course Registration

7.1 All students are required to fill the Student Profile Sheet as given in **Annexure-7** at beginning of the Programme. It is also mandatory for all students to register every semester till the end of his/her study, for courses that he/she is going to study in the semester through a Course Registration process.

7.2 The Course Registration will be carried out on a specific day as declared by the University in advance. Students having any outstanding dues to the University shall not be permitted to register. For valid reasons, late registration for a maximum of two weeks from the commencement of the semester may be permitted only with the approval of the School Director concerned and on payment of a late Registration fee as specified by the University. Approval of Faculty Mentor is necessary for a student to undergo Course Registration.

7.3 Depending on academic and non-academic resources available to each programme, courses offered may vary. Upon joining the University, each student will be assigned a Mentor by the School concerned to support him in making the right choice of courses. The Mentor will discuss with the student on his/her academic performance in previous semester(s) and suggest the number and nature of courses to be registered in the ensuing semester, within the framework of that programme curriculum. Students having backlogs or under probation may get advice for pacing the programme.

7.4 Process of selection of Open Electives

(i) For first semester students at the time of orientation the student is asked to give his choice of open elective, foreign language and concentration elective. The student also fills out a profile sheet which gives an overall perspective of the programme structure in terms of the credits he will be required to earn each semester through his core courses, concentration electives and open electives. For open electives the student gives three choices. These choices are then verified by the programme coordinators, course is allocated to the student and from the HOI account the course entered onto Amizone. These courses are then visible to the student in their respective Amizone account.

(ii) For students of semesters other than the first semester the choices are taken from the students before they leave for the term break. This helps in finalizing the faculty allocation and time tables before the commencement of the new semester

(iii) The student has the **option of changing his open elective within three weeks of the commencement of the classes.** The attendance of the student is also transferred from the previously selected course to the new choice of course to prevent the likelihood of shortage of attendance.

8. Attendance

Students are expected to have 100% attendance. Relaxation of maximum 25% may be allowed to cater for sickness or other valid reasons beyond the control of the students. A student whose attendance is less than 75%, **whatever may be the reason for shortfall**, will not be permitted to appear in the End Semester Examination (ESE) for the subject in which the shortfall exists.

Under extreme special circumstances, Vice Chancellor may condone attendance up to 5% below 75% on the request of the student and the recommendation of the HOI's. Such students will fall under the B+ cap category, i.e., the student beyond B+ grade will be able to score a maximum of B+ grade in the said course for which he/she has been given the waiver.

The attendance will be marked in the attendance register as well as on the Amizone. It is important that the attendance on Amizone be marked by the concerned faculty within 48 hours of holding the class as the Amizone will be locked after this period.

Every teaching faculty handling a class will take attendance till the last day of the class. The percentage of attendance up to this day will be calculated and forwarded to Examination Department by the HOI for issue of Admit Cards. Computerized attendance monitoring system i.e., Amizone will be adopted for posting the attendance by the faculty.

If a student is continuously absent for a period of one week without permission by the HOI, a notice will be sent to the student and to his parents / guardian with intimation to Registrar. If a student remains absent continuously for 30 days without permission, his name will be struck off. Such a student may apply for re-admission. The HOI will examine his performance in all semesters and back log of papers and forward recommendations to Pro VC(A)'s office to decide as to whether he should be given re-admission or not. Based on the recommendations, decision for re-admission and the semester in which re-admission is to be given will be taken. The student granted re-admission will be required to pay the prescribed re-admission fee and will be governed by Academic Regulations. The attendance will be calculated from the commencement date of the semester and not from the date of re - admission.

8.1 Computation of Attendance

Attendance at lectures, tutorials, practicals, clinicals, sessionals, if any, held during the academic session shall be counted. Attendance at Industrial Visits, NCC/NSS camp, Amity Cadet Corps/ Amity Military Training Camp, shall be taken as full attendance at lectures/ practicals/ tutorials on each such day of camp/ training and the days of journey to such camp/ training (excluding the period of holidays/vacations) .Participation as a member of the University/ Constituent Unit team in National or International competition games & sports and/or other extracurricular activities shall be

taken as full attendance on the days of such competition and the days of journey for participating therein. This attendance will be over and above the Official Class Waiver. The minimum attendance required by the 'freshers' will be calculated from their date of registration into the course (instead of 1st Instructional Day), since few students may join late, only during the Semester they join the University. For the subsequent semester the first teaching day of the session would be considered for calculation of attendance.

8.2 Attendance Shortfall

A student, whose attendance is below 75%, will not be permitted to appear in the ESE and will be awarded 'DE'(F) grade in that paper and treated as Fail in that subject. 'DE'(F)/F grade students (Debarred due to shortage of attendance or Fail in a course unit) are required to repeat the course unit in the next corresponding semester and reappear in the normal schedule of ESE of that paper i.e. 'F' grade student of 3rd semester may reappear in that course unit in the 5th semester. The final year students who have obtained 'DE'(F) grade may apply to re-appear in those Courses of final two semesters only in the Special Supplementary Examinations to be held within 30 days of the declaration of Results.

8.3 Official Class Waiver (OCW)

8.3.1 Definition- A student will be given an OCW (ie, he/she will be marked present) during teaching hours under the following conditions:

- (i) Participation in conferences/seminars/workshops.
- (ii) Participating in fests/competitions/ sports/cultural both within and outside the University.
- (iii) Practice for fests/sports/cultural events etc.
- (iv) Project and related activities.
- (v) Any other activity deemed fit by HOI's.

8.3.2 OCW will be approved under the following guidelines:

- (i) For 3 & 4 credit course a maximum of 3 classes can be waived off in a semester.
- (ii) For 1 & 2 credit course a maximum of 2 classes can be waived off in a semester.
- (iii) Five and more than five a maximum of 4 classes can be waived off in a semester

8.3.3 Exception:

In case of an emergency, if approval cannot be taken after advance submission of OCW slip or wherever submission of OCW could not happen, the approval may be taken within a maximum of 5 days from the availing of OCW from the Head of Institution. **No OCW request should be entertained subsequently.**

8.3.4 Recommendation & Approval of OCW:

- (i) In all above-mentioned Official Class Waivers, the student has to fill-up the prescribed format for recommendation by the faculty deputing for the activity for final approval by Head of Institution.
- (ii) The under-mentioned persons are authorized to recommend the OCWs for the approval of Head of Institution.
 - (a) Programme Director
 - (b) Head Corporate Resource Centre/Industry Interaction Centre/Amity Technical Placement Centre
 - (c) Programme Leaders/Programme Coordinators

- (d) Faculty members acting as Event Coordinator
- (e) Any other person nominated by the Head of Institution

The authorities mentioned above will ensure that all sanctions are obtained before the date of commencement of an event (barring exceptions).

8.3.5 Process for approval of OCW:

- (i) The procedure to be followed for sanctioning of the OCWs will be as under:
 - (a) The OCW request will be initiated by student through faculty in-charge in advance before the activity takes place as per prescribed format.
 - (b) The student will submit the OCW Form to the person concerned who has assigned the work.
 - (c) Authorized person(s) upon checking the validity of the credits and no of classes allowed to be waived off, will recommend to Head of Institution for approval.
 - (d) The attendance related to OCW should be uploaded on Amizone from HOI's a/c within 24 hours of the class or within five days in case of an exception.

9. Examination

9.1 Eligibility for Examinations

All students who have registered for a particular course are eligible to write the exam, provided he/she is not debarred from writing the exam due to one or more of reasons listed below.

- (i) Shortage of attendance
- (ii) Acts of indiscipline
- (iii) Withdrawal of a registered course

9.2 Disciplinary Control of Students In Relation To University Examinations

9.2.1 During examinations, the candidates shall be under the disciplinary control of the Examination Centre Superintendent who will issue necessary instructions. If a candidate disobeys instructions or misbehaves with any member of the supervisory staff or University Observer or representative or the invigilators at the Centre, he may be expelled from the examination for that session. The Examination Centre Superintendent shall immediately report the facts of such a case with full details of evidence to the Controller of Examinations who will refer the matter to the Examination Discipline Committee. The said Committee will make recommendations for disciplinary action as it may deem fit, to the Vice Chancellor.

9.2.2 The students shall maintain proper discipline and orderly conduct during the examinations. They shall not make use of any unfair or dishonest means or indulge in disorderly conduct in the examinations.

9.3 Duration of Academic Programmes

9.3.1 The minimum period required for completion of a programme shall be as specified in the Scheme of Teaching and Examination and Syllabi for concerned programme and approved by the Academic Council on the recommendations of the Board of Studies.

9.3.2 The maximum permissible period for completing a programme upto two academic years shall be $n+1$ year (two semesters) and for the programmes of more than two academic years duration, the maximum permissible period shall be $n+2$ academic years (four semesters), where “ n ” represents the minimum duration of the programme.

9.4 Award of Degrees, Diplomas, Certificates and other Academic Distinctions

9.4.1 The text and the format of the degrees and diploma documents, certificates, citations and other documents of academic distinctions shall be as approved by the Academic Council. The nomenclature of Degree, Diploma, and Certificate etc. shall be same as specified by the UGC, AICTE, NCTE, MCI, Pharmacy Council of India and such other Statutory Bodies.

9.4.2 The degrees, diplomas, certificates, citations and other documents relating to other academic distinctions shall be signed by the Registrar and countersigned by the Vice Chancellor. Provisional Certificates shall be signed by the Controller of Examinations.

9.4.3 A student shall be awarded a degree/diploma, if:

- (i) He has registered himself, undergone the course of studies, completed the project report/dissertation / training report as specified in the curriculum of his programme within the stipulated time, and secured the minimum Grades prescribed for award of the concerned degree/diploma/certificate;
- (ii) There are no dues outstanding in his/her name to the University/Department/Constituent Unit; and
- (iii) No disciplinary action is pending against him.

9.4.4 The Registrar shall place the particulars of all the successful and eligible students for the award of certificate, diploma, or degree before the Academic Council after declaration of results.

9.4.5 Approval accorded by the Academic Council for award of the respective degrees, diplomas, certificates etc. shall be placed before the Executive Council for its concurrence. On being concurred by the Executive Council, the degree shall be awarded to the successful candidates at convocation

9.4.6 In extreme emergency, the degrees, diplomas, certificates shall be awarded to the successful students before the Convocation with the approval of Vice Chancellor and the matter be reported to the Academic Council.


10. Amizone

Amizone is an open source e-learning software platform developed by Amity. This innovative and interactive portal connects the participants to their campus, faculty and other peers in the Amity University globally. All participants of Amity are provided with a Login ID and password for Amizone.

It is a powerful tool, which empowers every student with the most modern e-learning educational services like the following:-

- (i) Students can view all academic information such as class schedules, exam schedules and assessment result regarding their respective courses through this portal.
- (ii) Students get access to over thousands of world- class e-books and journals in the Digital Library of the portal.
- (iii) Students can view archived classes (e-learning lectures) at any point of time and hence promotes the idea of 'Anytime and Anywhere learning'.
- (iv) Regular feedback by students is collected and analyzed through the portal.

Flexible Credit System is fully operational through Amizone. Real time reports can be generated about the students registered in various courses.


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AMITY UNIVERSITY HARYANA
LIST OF SCHOOLS / INSTITUTE

SL. NO	NAME OF FACULTY OF STUDIES/ SCHOOL / INSTITUTE
	(I) FACULTY OF MANAGEMENT STUDIES & BEHAVIOURAL SCIENCES
1	ABS - AMITY BUSINESS SCHOOL
2	ACC - AMITY COLLEGE OF COMMERCE
3	ASH - AMITY SCHOOL OF HOSPITALITY
4	AIBAS - AMITY INSTITUTE OF BEHAVIOURAL AND ALLIED SCIENCES
5	AICP - AMITY INSTITUTE OF CLINICAL PSYCHOLOGY
	(II) FACULTY OF SCIENCE ENGINEERING AND TECHNOLOGY
6	ASET - AMITY SCHOOL OF ENGINEERING AND TECHNOLOGY
7	ASAS - AMITY SCHOOL OF APPLIED SCIENCES
8	ASEES - AMITY SCHOOL OF EARTH & ENVIRONMENT SCIENCE
9	AIB - AMITY INSTITUTE OF BIOTECHNOLOGY
	(III) FACULTY OF ARTS
10	ASCO - AMITY SCHOOL OF COMMUNICATION
11	ASLA - AMITY SCHOOL OF LIBERAL ARTS & FOREIGN LANGUAGES
12	AID - AMITY INSTITUTE OF DESIGN
	(IV) FACULTY OF LAW
13	ALS - AMITY LAW SCHOOL
	(V) FACULTY OF HEALTH AND ALLIED SCIENCES
14	AMS - AMITY MEDICAL SCHOOL
15	ACON - AMITY COLLEGE OF NURSING
	(VI) FACULTY OF ARCHITECTURE AND PLANNING
16	ASAP - AMITY SCHOOL OF ARCHITECTURE AND PLANNING

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Dean - Amity
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Manesar, Gurgaon-122413

AMITY UNIVERSITY HARYANA
LIST OF PROGRAMMES

PROGRAMMES SESSION 2017-18				
Sl. No	NAME OF PROGRAMME	PROGRAMME CODE	DURATION (YRS)	TOTAL CREDITS
FACULTY OF MANAGEMENT STUDIES & BEHAVIOURAL SCIENCES				
AMITY BUSINESS SCHOOL				
1	Bachelor of Business Administration	13064	3	150
2	Bachelor of Business Administration (Banking & Finance)	13579	3	150
3	Bachelor of Business Administration (3 Continent)	13104	3	150
4	Master of Business Administration	13019	2	110
5	Master of Business Administration (Banking & Finance)	13502	2	110
6	Master of Business Administration (Executive for Working Professionals)	13622	2	100
7	Master of Business Administration (Executive-Full-Time)	13339	1	90
8	Master of Business Administration (Hospital and Healthcare Management)	13395	2	110
9	Bachelor of Arts (Hons.) (Economics)	13182	3	150
10	Master of Arts (Economics)	13301	2	100
AMITY COLLEGE OF COMMERCE				
11	Bachelor of Commerce (Hons.)	13046	3	150
12	Master of Commerce	13576	2	100
AMITY SCHOOL OF HOSPITALITY				
13	Bachelor of Hotel Management	13289	4	210
14	Bachelor of Tourism & Travel Management	13816	4	210
AMITY INSTITUTE OF BEHAVIOURAL AND ALLIED SCIENCES				
15	Bachelor of Science (Clinical Psychology)	13407	3	150
16	Bachelor of Arts (Hons.) (Applied Psychology)	13069	3	150
17	Master of Arts (Counseling Psychology)	13033	2	100
18	Master of Arts (Applied Psychology)	13166	2	100
19	Master of Science (Clinical Psychology)	13408	2	100

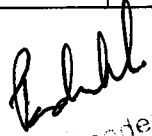
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20	Post Graduate Diploma (Counselling Psychology)	13036	1	55
AMITY INSTITUTE OF CLINICAL PSYCHOLOGY				
21	M.Phil.-Clinical Psychology	13109	2	130
FACULTY OF SCIENCE ENGINEERING AND TECHNOLOGY				
AMITY SCHOOL OF ENGINEERING AND TECHNOLOGY				
22	Bachelor of Technology (Aerospace Engineering)	13055	4	195
23	Bachelor of Technology (Civil Engineering)	13158	4	195
24	Bachelor of Technology (Computer Science & Engineering)	13052	4	195
25	Bachelor of Technology (Electronics & Communication Engineering)	13051	4	195
26	Bachelor of Technology (Information Technology)	13053	4	195
27	Bachelor of Technology (Biomedical Engineering)	13399	4	195
28	Bachelor of Technology (Mechanical Engineering)	13998	4	195
29	Bachelor of Technology (Electrical & Electronics Engineering)	13246	4	195
30	B.Tech. + M.Tech.-Artificial Intelligence & Robotics (Integrated)	131125	5	260
31	B.Tech. + M.Tech.-Network & Cyber Security (Integrated)	131124	5	260
32	Master of Technology (Electronics & Communication Engineering)	13153	2	100
33	Master of Technology (Thermal Engineering)	13776	2	100
34	Master of Technology (Construction Technology & Management)	131130	2	100
35	Master of Technology (Environmental Engineering)	13279	2	100
36	Master of Technology (Structural Engineering)	13699	2	100
37	Master of Technology (Industrial & Production Engineering)	13685	2	100
38	Master of Technology (Machine Design Engineering)	13777	2	100
39	Master of Technology (Artificial Intelligence & Robotics)	131129	2	100
40	Master of Technology (Network and Cyber Security)	131128	2	100
41	Master of Technology (Transportation Engineering)	131131	2	100
42	Bachelor of Science (Information Technology)	13049	3	150
43	Bachelor of Computer Application	13048	3	150
44	Master of Computer Application	13007	3	170

45	Master of Science (Network Technology & Management)	13008	2	100
46	BCA + MCA (Dual Degree)	13495	5	280
AMITY SCHOOL OF APPLIED SCIENCES				
47	Bachelor of Science (Hons.) (Chemistry)	13558	3	150
48	Bachelor of Science (Hons.) (Mathematics)	13556	3	150
49	Bachelor of Science (Hons.) (Physics)	13557	3	150
50	Bachelor of Science (Hons) (Forensic Science)	13059	3	150
51	Master of Science (Applied Chemistry)	13509	2	100
52	Master of Science (Applied Mathematics)	13510	2	100
53	Master of Science (Applied Physics)	13500	2	100
54	Master of Science (Forensic Science)	13011	2	100
55	Master of Science (Biochemistry)	13690	2	100
56	Master of Technology (Solar & Alternate Energy)	13208	2	100
AMITY SCHOOL OF EARTH & ENVIRONMENT SCIENCE				
57	Bachelor of Science (Hons.) (Earth Science)	13751	3	150
58	Master of Science (Environmental Science & Management)	13619	2	100
AMITY INSTITUTE OF BIOTECHNOLOGY				
59	Bachelor of Science (Hons.) (Biotechnology)	13044	3	150
60	Bachelor of Science (Hons.) (Biological Science)	13692	3	150
61	B.Tech+ M.Tech. – Biotechnology (Dual Degree)	13231	5	260
62	Bachelor of Technology (Biotechnology)	13041	4	195
63	Master of Science (Biotechnology)	13002	2	100
64	Master of Technology (Biotechnology)	13107	2	100
FACULTY OF ARTS				
AMITY SCHOOL OF COMMUNICATION				
65	Bachelor of Arts (Journalism & Mass Communication)	13798	3	150
66	Bachelor of Arts (Journalism & Mass Communication) (3 Continent)	13724	3	150
67	Bachelor of Science (Animation & Visual Graphics)	13493	3	150
68	Master of Arts (Journalism & Mass Communication)	13800	2	100

69	Post Graduate Diploma (Journalism & Mass Communication)	13347	1	55
AMITY SCHOOL OF LIBERAL ARTS & FOREIGN LANGUAGES				
70	Bachelor of Arts (Hons.) (History)	13573	3	150
71	Bachelor of Arts (Hons.) (Political Science)	13574	3	150
72	Bachelor of Arts (Hons.) (English)	13061	3	150
73	Master of Arts (English)	13103	2	100
74	Master of Arts (Applied Linguistics & ELT)	131039	2	100
75	Bachelor of Arts (Hons.) (French)	13062	3	150
76	Bachelor of Arts (Hons.) (German)	13089	3	150
AMITY INSTITUTE OF DESIGN				
77	Bachelor of Design in Fashion Design & Tech.	13817	4	210
78	Bachelor of Interior Design	13803	4	210
79	Master of Interior Design	13802	2	100
80	Bachelor of Fine Arts	13057	4	210
FACULTY OF LAW				
AMITY LAW SCHOOL				
81	B.A., LL.B. (Hons.)	13111	5	280
82	B.Com, LL.B. (Hons.)	13216	5	280
83	BBA, LL.B. (Hons.)	13215	5	280
84	Master of Law (LLM)	13018	1	24
FACULTY OF HEALTH AND ALLIED SCIENCES				
AMITY MEDICAL SCHOOL				
85	Bachelor of Science (Dietetics & Applied Nutrition)	13393	3	150
86	Bachelor of Science (Medical Lab Technology)	13165	3	150
87	Bachelor of Optometry	131127	4	210
88	Bachelor of Audiology and Speech Language Pathology	13389	4	290
89	Master of Science (Clinical Research)	13402	2	100
90	Master of Science (Dietetics & Applied Nutrition)	13394	2	100
91	Master of Optometry	131133	2	100

92	Master of Optometry-Practitioner	131134	2	100
93	Master of Public Health	13396	2	100
94	Master of Hospital Administration	13340	2	100
95	Master of Science (Medical Lab Technology)	13163	2	100
96	Master of Hospital Administration (Executive for Working Professionals)	131135	3	90
AMITY COLLEGE OF NURSING				
97	Bachelor of Science (Nursing)	13184	4	340
98	Post Basic Bachelor of Science (Nursing)	13560	2	160
99	Master of Science (Medical Surgical Nursing)	13886	2	185
100	Master of Science (Community Health Nursing)	13887	2	185
101	Master of Science (Psychiatric Nursing)	13888	2	185
FACULTY OF ARCHITECTURE AND PLANNING				
AMITY SCHOOL OF ARCHITECTURE AND PLANNING				
102	Bachelor of Architecture	13040	5	300
103	Bachelor of Planning	13349	4	280
104	Master of Planning	13350	2	130


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OPEN ELECTIVES OFFERED MINOR TRACKS

The following are the minor tracks with the minimum credit requirement which are available to the students

Sl. No.	Track with details of courses	No of credits to be earned for getting a minor degree	Prerequisites if any
1.	Accounting Semester 1-COM2151- Financial Accounting-I Semester 2-COM2251- Financial Accounting-II Semester 3-COM2351- Corporate Accounting Semester 4-COM2451- Financial Management Semester 5-COM2551- Cost Accounting Semester 6-COM2651- Management Accounting	18	No prerequisites
2.	Aerospace Engineering Semester 1-ASE2351- Elements of Aerospace Engineering Semester 2-ASE2451- Elements of Space Engineering Semester 3-ASE2551- Aircraft System Semester 4-ASE2651- Aircraft Stability & Control Semester 5-ASE2751- Aircraft Performance Semester 6-ASE2851- Introduction to Automatic Flight Control	18	Physics ,Chemistry, Maths in class 12 th
3.	Animation Semester 1-ANI2151- Basics of Sketching & Drawing Semester 2-ANI2251- Basics of HTML Semester 3-ANI2351- Introduction to 3D Semester 4-ANI2451- Maya Fundamentals Semester 5-ANI2551- Digital Editing Semester 6-ANI2651- Stop Motion	18	Aptitude Test
4.	Artificial Intelligence Semester 1-CSE2351- Basics of Artificial Intelligence Semester 2-CSE2451- Artificial Neural Networks Semester 3-CSE2551- Fuzzy Logic Semester 4-CSE2651- Introduction to Genetic Algorithm Semester 5-CSE2751- Soft Computing Semester 6-CSE2851- Project (Artificial Intelligence)	18	Physics ,Chemistry, Maths in class 12 th
5.	Biomedical Semester 1-BME2351- Human Anatomy and Physiology-I Semester 2-BME2451- Bioinstrumentation	18	Physics ,Chemistry, Maths in class 12 th

	Semester 3-BME2551- Tissue Engineering Semester 4-BME2651- Biomechanic Semester 5-BME2751- Medical Image Processing Semester 6-BME2851- Seminar-Biomedical Engineering		
6.	Climate Science Semester 1- AST 2151- Basics of Climate Science Semester 2- AST 2251- Introduction to Earth System Science Semester 3- AST 2351- Cloud Microphysics and Chemistry Semester 4- AST 2451-Climate Change: Impact, Vulnerability and Adaption Semester 5- AST 2551- Primer of Oceanography Semester 6- AST 2651- Fundamentals of Climate Variability and Modeling	18	No prerequisites
7.	Cloud Computing Semester 1-CSE2353- Computer Networks Semester 2-CSE2453- Distributed System Semester 3-CSE2553- High Performance Computing Semester 4-CSE2653- Information Storage Management Semester 5-CSE2753- Interfacing with Virtualization Semester 6- CSE2853- Cloud Computing Tools & Techniques	18	Physics, Chemistry, Maths in class 12 th
8.	Computer Forensics & Cyber Security Semester 1- FCH2151- Computer Forensics Semester 2- FCH2251- Ethics, Policies and the IT Act Semester 3- FCH2351- Behavioral Biometrics Semester 4- FCH2451- Implementation Practical on MATLAB Semester 5- FCH2551- Cyber Security Semester 6- FCH2651- Incident Response Management	18	No prerequisites
9.	Data Analytics Semester 1- MTH2151-Optimization Techniques Semester 2- MTH2251-Statistics Semester 3- MTH2351-Data Mining Semester 4- MTH2451-Database Management System Semester 5- MTH2551-Introduction to Financial Modeling Semester 6- MTH2651-Statistical Quality Control	18	Mathematics in Class 12 th
10.	Dietetics & Nutrition Semester 1-DAN2151-Principles of Nutrition Semester 2-DAN2251-Family Meal Management Semester 3-DAN2351-Basics Dietetics Semester 4-DAN2451-Advanced Dietetics	18	No prerequisites

	Semester 5-DAN2551-Community Nutrition Semester 6-DAN2651-Food Chemistry		
11.	Economics Semester 1-ECO2151 –Micro Economics-I Semester 2-ECO2251 –Indian Economy Semester 3-ECO2351 –Macro Economics –I Semester 4-ECO2451 –Public Finance Semester 5-ECO2552 –Statistical Methods in Economics Semester 6-ECO2651 –Money, Banking & Financial Markets	18	No prerequisites -- ECO2151 ECO2151,2351 -- ECO2351
12.	Embedded System Semester 1-ECE2352-Introduction to Microprocessor System Semester 2-ECE2452-Microcontroller Semester 3-ECE2552-PCB Fabrication Semester 4-ECE2652-Robotics and Automation Semester 5-ECE2752-Simulation and Modeling Semester 6-ECE2852-Project (Embedded System)	18	Physics ,Chemistry, Maths in class 12 th
13.	English Literature Semester 1-ENG2151-Shakespearean Comedy Semester 2-ENG2251-Romantic Poetry Semester 3-ENG2351-The Novels of England Semester 4-ENG2451-The English Novels of India Semester 5-ENG2551-Genre Fiction Semester 6-ENG2651-Contemporary Literature	18	No prerequisites
14.	Environmental Management Semester 1- ENV2151- Environmental Studies-I * Semester 2- ENV2251- Environmental Studies-II * Semester 3- ENV2351- Environmental Pollution and Waste Management Semester 4- ENV2451-Environmental Management and Industrial Safety Semester 5- ENV2551-Environmental Economics and Globalization Semester 6- ENV2651-Sustainable Development Practices	12 (Available from Sem-3, Total Credits: 12) * Environmental Studies is mandatory for all undergraduate courses and is taught in three different schemes during first year	No prerequisites
15.	Fashion Management Semester 1-FDT2151- Fashion Art Illustration and Model Drawing Semester 2- FDT2251-Fashion Theory Semester 3- FDT2351-Computer Aided Manufacturing Semester 4- FDT2451-Fashion Management Semester 5- FDT2551-Fashion Forecasting Semester 6- FDT2651- Fashion Retailing & Visual Merchandising	18	No prerequisites

16.	French Studies Semester 1-LAN2161- Professional French for Business-1 Semester 2-LAN2261- Professional French for Business-2 Semester 3-LAN2361-Professional French for Business-3 Semester 4-LAN2461- Professional French for Business-4 Semester 5-LAN2561- Introduction to French Literature & select socio-cultural aspects of France Semester 6-LAN2661-French through activities	18	No prerequisites
17.	Geotechnical Engineering Semester 1-CIV2351- Engineering Geology Semester 2-CIV2451- Geo informatics Semester 3-CIV2551- Geotechnical Engineering-I Semester 4-CIV2651- Geotechnical Engineering-II Semester 5-CIV2751- Project (Geotechnical Engineering) Semester 6-CIV2851- Seminar-Geotechnical Engineering	18	Physics ,Chemistry, Maths in class 12 th
18.	German Studies Semester 1-LAN2162-Professional German for Business-1 Semester 2-LAN2262-Professional German for Business-2 Semester 3-LAN2362-Professional German for Business-3 Semester 4-LAN2462-Professional German for Business-4 Semester 5- LAN2562-Introduction to German Literature & select socio-cultural aspects of Germany Semester 6-LAN2662-German through activities	18	No prerequisites
19.	History Semester 1- HIS2151-History of Ancient India Semester 2- HIS2251-History of Medieval India Semester 3- HIS2351-History of Modern India Semester 4- HIS2451-The Ancient World Semester 5- HIS2551-Rise of the Modern West Semester 6- HIS2651-History of the World from Mid 20 th Century to the 21 st Century	18	No prerequisites
20.	Human Rights Semester 1- LAW2152-Concept and Theoretical Understanding of Human Rights Semester 2- LAW2252-Systems, Organizations and Instruments of Human Rights Semester 3- LAW2352-Contemporary Human Rights Situations and Issues	18	LAW2152,LAW 2252, LAW2352,LAW 4252, LAW2552

	Semester 4- LAW2452-Specific Themes in Human Rights Semester 5- LAW2552-Legislation Themes in Human Rights Semester 6- LAW2652-Report Writing and Thesis Preparation (Human Rights)		
21.	Instrumentation Engineering Semester 1-ECE2351-Basic Instrumentation Semester 2-ECE2451-Virtual Instrumentation Semester 3-ECE2551-Biomedical Instrumentation Semester 4-ECE2651-Analytical Instrumentation Semester 5-ECE2751-Industrial Process Control Semester 6-ECE2851-Project (Instrumentation Engineering)	18	Physics ,Chemistry, Maths in class 12 th
22.	Intellectual Property Rights Semester 1-LAW2151-Principles of IPR Semester 2- LAW2251-Patent Law and Practices Semester 3- LAW2351-Copyright Law and Practices Semester 4- LAW2451-Trademark Law and Practices Semester 5- LAW2551-Emerging Legal Issues and Challenges Semester 6- LAW2651- Future Aspects of Intellectual Property Rights	18	No prerequisites
23.	Journalism Semester 1-JRN2151-Print Media: Reporting & Editing Semester 2-JRN2251-Basic Photography Semester 3-JRN2351-TV Journalism Semester 4-JRN2451-TV Production & Presentation Semester 5-JRN2551-New Media Semester 6-JRN2651-Media Analysis	18	No prerequisites
24.	Laser System Semester 1-LOE2351- Basics of Lasers Semester 2-LOE2451- Laser Technology & Applications Semester 3-LOE2551- Laser Systems & Devices Semester 4-LOE2651- Lasers in Defense Applications Semester 5-LOE2751- Lasers in Industrial Applications Semester 6-LOE2851- Lasers in Atmospheric Studies	18	No prerequisites
25.	Management Semester 1-MGT2151-Management Foundations Semester 2-MGT2251-Marketing Management Semester 3-MGT2351-Organizational Behaviour Semester 4-MGT2451-Business Environment Semester 5-MGT2551-Operations Research Semester 6-MGT2651-Business Law	18	No prerequisites

26.	Mechanical Engineering Semester 1-MAE2352-Thermodynamics Semester 2-MAE2452- Fluid Power Systems Semester 3-MAE2552- KOM Semester 4-MAE2652- DOM Semester 5-MAE2752-Meteorology Semester 6-MAE2852-Project (Mechanical Engineering)	18	Physics ,Chemistry, Maths in class 12 th
27.	Nanotechnology Semester 1-NAT2152- Basics of Nanoscience Semester 2-NAT2251- Properties of Nanomaterials Semester 3-NAT2352- Vacuum Science & Clean Room Technology Semester 4-NAT2452- Synthesis of Nanomaterials Semester 5-NAT2552- Characterization Techniques Semester 6-NAT2652- Industrial Applications of Nanomaterials	18	No prerequisites
28.	Painting Arts Semester 1-FNA2151- Basics of Drawing and Asian Landscape Semester 2-FNA2251- Basics of Drawing and Monochrome Folk Composition Semester 3-FNA2351- Advanced Drawing and Illustration of Indian Temple Sculpture Semester 4-FNA2451- Advanced Drawing with Ink with brush Illustration Semester 5-FNA2551- Advanced Drawing and Illustration with Mural Art Semester 6-FNA2651- Advanced Drawing and Illustration with Visual Design	18	No prerequisites
29.	Pharmaceuticals Semester 1-CHY2351- Cosmetic Formulation Semester 2-CHY2451- Industrial Management and Safety Process Semester 3-CHY2551- Drug Design Semester 4-CHY2651- Application of Nanotechnology in Medicine Semester 5-CHY2751- Intellectual Property Rights and Quality Assurance Semester 6-CHY2851- Pharmaceutical and Cosmetics Sciences Lab	18	No prerequisites
30.	Physical Education and Sports Management Semester 1- PED2151- Health Education and Sports Semester 2- PED2251- Human Anatomy and Exercise Semester 3- PED2351- Sports Training and Conditioning	18	No prerequisites

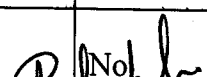
	Semester 4- PED2451- Basics of Sports Management Semester 5- PED2551- Sports Psychology Semester 6- PED2651- Sports Medicine		
31.	Political Studies Semester 1- POL2151- Indian National Movement Semester 2- POL2251- Indian State and Politics after Independence Semester 3- POL2351- State Politics in India Semester 4- POL2451- Politics and Media Semester 5- POL2551- South Asia: Political Perspectives Semester 6- POL2651- Post-Cold War World Politics	18	No prerequisites
32.	Psychology Semester 1-PSY2151-Introductory Psychology Semester 2-PSY2251-Abnormal Psychology Semester 3-PSY2351-Basic Cognitive Psychology Semester 4-PSY2451-Life Span Development Semester 5-PSY2551-Psychometric Testing Semester 6-PSY2651-Counselling Psychology	18	No prerequisites
33.	Positive Psychology Semester 1-PSY2152-The Science of Happiness Semester 2-PSY2252-Optimism and Success Semester 3-PSY2352-Resilience and Well Being Semester 4-PSY2452-Positive Psychology & Work Life Semester 5-PSY2552-Creativity & Problem Solving Semester 6-PSY2652-Positive Leadership & Competency Development	18	No prerequisites
34.	Renewable Energy Semester 1-SAE2151- Renewable Energy Conversion Systems Semester 2-SAE2251- Introduction to Solar Thermal Engineering Semester 3-SAE2351- Introduction to Solar Photovoltaic Semester 4-SAE2451- Energy from Wastes Semester 5-SAE2551- Renewable Energy for Heat Applications Semester 6-SAE2651- Energy Audit and Energy Management	18	Physics, Chemistry & Maths in XII std.
35.	Spanish Studies Semester 1-LAN2163- EFE Professional Spanish for Business-I Semester 2-LAN2263- EFE Professional Spanish for Business-II Semester 3-LAN2363- EFE Professional Spanish for Business-III Semester 4-LAN2463- EFE Professional Spanish for	18	No prerequisites

	<p style="text-align: center;">Business-IV</p> <p>Semester 5-LAN2563- Introduction to Spanish Literature & select socio-cultural aspects of Spain</p> <p>Semester 6-LAN2663- Spanish through activities</p>		
36.	<p>Tagore Studies</p> <p>Semester 1-ENG2152- Rabindranath Tagore in the 21st Century</p> <p>Semester 2-ENG2252- Tagore- Autobiographies & Biographical Sketches</p> <p>Semester 3-ENG2352- Tagore as a Cultural Icon – Tagore as a Painter & Performer</p> <p>Semester 4-ENG2452- Tagore as a Poet</p> <p>Semester 5-ENG2552- Tagore as a Fiction Writer</p> <p>Semester 6-ENG2652- Tagore and Mass Media</p>	18	No prerequisites
**	<p>Disaster Management</p> <p>DSM2051- Disaster Management</p>	3	Single Semester Course
**	<p>Military Training Foundation</p> <p>GEN2051- Military Training Foundation</p>	3	Single Semester Course

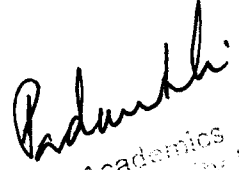
** These are standalone Open Electives offered in each Semester.

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LIST OF SKILL TRACKS (MINOR TRACKS)

Sl. No.	Track with details of courses	No of credits to be earned for getting a minor degree	Prerequisites if any
37.	Apparel Merchandising Semester 1- VFD2151-Introduction to Apparel Merchandising Semester 2- VFD2251-Apparel Market Research & Product Analysis Semester 3- VFD2351-Vendor Management & Product Evaluation Semester 4- VFD2451-Prototype Preparation & Merchandise Plan Semester 5- VFD2551-Pre-Production Management Semester 6- VFD2651-Shipment & Documentation Management	18	No Prerequisites VFD2151 VFD2251 VFD2351 VFD2451 VFD2551
38.	Fashion Design Semester 1- VFD2152-Design Eco-System Semester 2- VFD2252- Fashion Design Research Semester 3- VFD2352-Design Preparatory Process Semester 4- VFD2452-Prototype Garment Development Semester 5- VFD2552- Design Development Semester 6- VFD2652-Health & Safety Equilibrium	18	No Prerequisites VFD2152 VFD2252 VFD2352 VFD2452 VFD2552
39.	Food & Beverage Service Semester 1- VHM2152- Basics of Food Service Semester 2- VHM2252- Advanced Food Service Semester 3- VHM2352- Beverage Studies- Basic Semester 4- VHM2452- Beverage Studies-Advanced Semester 5- VHM2552- F&B Service Supervisory Skills Semester 6- VHM2652- F&B Management Skills	18	No prerequisites VHM2152 VHM2252 VHM2352 VHM2452 VHM2552
40.	Food Production Techniques Semester 1- VHM2151- Basics of Food Production Semester 2- VHM2251- Food Production Skills Semester 3- VHM2351- Food Production Operations Semester 4- VHM2451- Advanced Food Production Semester 5- VHM2551- Food Production Supervisory Skills Semester 6- VHM2651- Food Production Management	18	No prerequisites VHM2151 VHM2251 VHM2351 VHM2451 VHM2551
41.	Front Office Operations Semester 1- VHM2153- Fundamentals of Front Office	18	No 

	<p style="text-align: center;">Operations</p> <p>Semester 2- VHM2253- Handling Reception Semester 3- VHM2353- Check-in & Check-out Process Semester 4- VHM2453- Front Office Supervisory Skills Semester 5- VHM2553- Front Office Yield Management Semester 6- VHM2653- Managing Front Office</p>		<p>prerequisites</p> <p>VHM2153 VHM2253 VHM2353 VHM2453 VHM2553</p>
42.	<p>Housekeeping Functions</p> <p>Semester 1- VHM2154- Basics of Housekeeping Semester 2- VHM2254- Rules for Cleaning Semester 3- VHM2354- Laundry Operations Semester 4- VHM2454- Maintaining Guest Room Semester 5- VHM2554- Housekeeping Supervisory Skills Semester 6- VHM2654- Housekeeping Management Skills</p>	18	<p>No prerequisites</p> <p>VHM2154 VHM2254 VHM2354 VHM2454 VHM2554</p>
43.	<p>Tourism Operations</p> <p>Semester 1- VTM2151-Fundamentals of Tourism Semester 2- VTM2251-Tour Operations & Tourist Guidance Semester 3- VTM2351-Handling Travel Agency Semester 4- VTM2451-Coordinating Tour Transportations Semester 5- VTM2551-Tourism Management Semester 6- VTM2651-Event Planning</p>	18	<p>No prerequisites</p> <p>VTM2151 VTM2251 VTM2351 VTM2451 VTM2551</p>


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Semester wise Open Electives

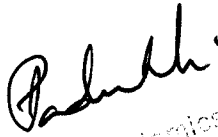
FIRST SEMESTER					
Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
ANI2151	Basics of Sketching & Drawing	2	0	2	3
ASE2351	Elements of Aerospace Engineering	3	0	0	3
AST2151	Basics of Climate Science	3	0	0	3
BME2351	Human Anatomy and Physiology-I	3	0	0	3
CHY2351	Cosmetic Formulation	3	0	0	3
CIV2351	Engineering Geology	3	0	0	3
COM2151	Financial Accounting-I	3	0	0	3
CSE2351	Basics of Artificial Intelligence	3	0	0	3
CSE2353	Computer Networks	3	0	0	3
DAN2151	Principles of Nutrition	3	0	0	3
DSM2051	Disaster Management	3	0	0	3
ECE2351	Basic Instrumentation	3	0	0	3
ECE2352	Introduction to Microprocessor System	2	0	2	3
ECO2151	Micro Economics-I	2	1	0	3
ENG2151	Shakespearean Comedy	3	0	0	3
ENG2152	Rabindranath Tagore in the 21st Century	3	0	0	3
ENV2151	Environmental Studies-I	2	0	0	2
FCH2151	Computer Forensics	2	0	2	3
FDT2151	Fashion Art Illustration and Model Drawing	1	1	2	3
FNA2151	Basics of Drawing and Asian Landscape	3	0	0	3
GEN2051	Military Training Foundation	3	0	0	3
HIS2151	History of Ancient India	3	0	0	3

JRN2151	Print Media: Reporting & Editing	2	0	2	3
LAN2161	Professional French for Business-1	2	1	0	3
LAN2162	Professional German for Business-1	2	1	0	3
LAN2163	EFE Professional Spanish for Business-I	2	1	0	3
LAW2151	Principles of IPR	3	0	0	3
LAW2152	Concept and Theoretical Understanding of Human Rights	3	0	0	3
LOE2351	Basics of Lasers	2	0	2	3
MAE2352	Thermodynamics	3	0	0	3
MGT2151	Management Foundations	2	1	0	3
MTH2151	Optimization Techniques	3	0	0	3
NAT2152	Basics of Nanoscience	3	0	0	3
PED2151	Health Education and Sports	3	0	0	3
POL2151	Indian National Movement	3	0	0	3
PSY2151	Introductory Psychology	2	1	0	3
PSY2152	The Science of Happiness	3	0	0	3
SAE2151	Renewable Energy Conversion Systems	3	0	0	3
VFD2151	Introduction to Apparel Merchandising	1	0	4	3
VFD2152	Design Eco-System	1	0	4	3
VHM2151	Basics of Food Production	3	0	0	3
VHM2152	Basics of Food Service	3	0	0	3
VHM2153	Fundamentals of Front Office Operations	3	0	0	3
VHM2154	Basics of Housekeeping	3	0	0	3
VTM2151	Fundamentals of Tourism	3	0	0	3

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SECOND SEMESTER					
Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
ANI2251	Basics of HTML	2	0	2	3
ASE2451	Elements of Space Engineering	3	0	0	3
AST2251	Introduction to Earth System Science	3	0	0	3
BME2451	Bioinstrumentation	3	0	0	3
CHY2451	Industrial Management and Safety Process	3	0	0	3
CIV2451	Geo informatics	2	1	0	3
COM2251	Financial Accounting-II	3	0	0	3
CSE2451	Artificial Neural Network	2	1	0	3
CSE2453	Distributed System	3	0	0	3
DAN2251	Family Meal Management	3	0	0	3
DSM2051	Disaster Management	3	0	0	3
ECE2451	Virtual Instrumentation	2	0	2	3
ECE2452	Microcontroller	3	0	0	3
ECO2251	Indian Economy	3	0	0	3
ENG2251	Romantic Poetry	3	0	0	3
ENG2252	Tagore-Autobiographies & Biographical Sketches	3	0	0	3
ENV2251	Environmental Studies-II	2	0	0	2
FCH2251	Ethics Policies and the IT Act	2	1	0	3
FDT2251	Fashion Theory	3	0	0	3
FNA2251	Basics of Drawing and Monochrome Folk Composition	3	0	0	3
GEN2051	Military Training Foundation	3	0	0	3
HIS2251	History of Medieval India	3	0	0	3
JRN2251	Basic Photography	2	0	2	3

LAN2261	Professional French for Business-2	2	1	0	3
LAN2262	Professional German for Business-2	2	1	0	3
LAN2263	EFE Professional Spanish for Business-II	2	1	0	3
LAW2251	Patent Law and Practices	3	0	0	3
LAW2252	Systems, Organizations and Instruments of Human Rights	3	0	0	3
LOE2451	Laser Technology and Applications	3	0	0	3
MAE2452	Fluid Power System	3	0	0	3
MGT2251	Marketing Management	2	1	0	3
MTH2251	Statistics	3	0	0	3
NAT2251	Properties of Nanomaterials	3	0	0	3
PED2251	Human Anatomy and Exercise	3	0	0	3
POL2251	Indian State and Politics after Independence	3	0	0	3
PSY2251	Abnormal Psychology	2	1	0	3
PSY2252	Optimism and Success	3	0	0	3
SAE2251	Introduction to Solar Thermal Engineering	2	0	2	3
VFD2251	Apparel Market Research & Product Analysis	1	0	4	3
VFD2252	Fashion Design Research	1	0	4	3
VHM2251	Food Production Skills	3	0	0	3
VHM2252	Advanced Food Service	3	0	0	3
VHM2253	Handling Reception	3	0	0	3
VHM2254	Rules for Cleaning	3	0	0	3
VTM2251	Tour Operations & Tourist Guidance	3	0	0	3


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THIRD SEMESTER					
Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
ANI2351	Introduction to 3D	1	0	4	3
ASE2551	Aircraft System	3	0	0	3
AST2351	Cloud Microphysics and Chemistry	3	0	0	3
BME2551	Tissue Engineering	3	0	0	3
CHY2551	Drug Design	3	0	0	3
CIV2551	Geotechnical Engineering-I	3	0	0	3
COM2351	Corporate Accounting	3	0	0	3
CSE2551	Fuzzy Logic	3	0	0	3
CSE2553	High Performance Computing	3	0	0	3
DAN2351	Basics Dietetics	2	0	2	3
DSM2051	Disaster Management	3	0	0	3
ECE2551	Biomedical Instrumentation	3	0	0	3
ECE2552	PCB Fabrication	3	0	0	3
ECO2351	Macro Economics-I	3	0	0	3
ENG2351	The Novels of England	3	0	0	3
ENG2352	Tagore as a Cultural Icon - Tagore as a Painter & Performer	3	0	0	3
ENV2351	Environmental Pollution and Waste Management	3	0	0	3
FCH2351	Behavioral Biometrics	2	1	0	3
FDT2351	Computer Aided Manufacturing	1	1	2	3
FNA2351	Advanced Drawing and Illustration of Indian Temple Sculpture	3	0	0	3
GEN2051	Military Training Foundation	3	0	0	3

HIS2351	History of Modern India	3	0	0	3
JRN2351	TV Journalism	2	0	2	3
LAN2361	Professional French for Business-3	2	1	0	3
LAN2362	Professional German for Business-3	2	1	0	3
LAN2363	EFE Professional Spanish for Business-III	2	1	0	3
LAW2351	Copyright Law and Practices	3	0	0	3
LAW2352	Contemporary Human Rights Situations and Issues	3	0	0	3
LOE2551	Laser System and Devices	3	0	0	3
MAE2552	KOM	3	0	0	3
MGT2351	Organizational Behaviour	2	1	0	3
MTH2351	Data Mining	3	0	0	3
NAT2352	Vacuum Science & Clean Room Technology	2	0	2	3
PED2351	Sports Training and Conditioning	3	0	0	3
POL2351	State Politics in India	3	0	0	3
PSY2351	Basic Cognitive Psychology	2	1	0	3
PSY2352	Resilience and Well Being	3	0	0	3
SAE2351	Introduction to Solar Photovoltaic	2	0	2	3
VFD2351	Vendor Management & Product Evaluation	1	0	4	3
VFD2352	Design Preparatory Process	1	0	4	3
VHM2351	Food Production Operations	3	0	0	3
VHM2352	Beverage Studies-Basic	3	0	0	3
VHM2353	Check-in & Check-out Process	3	0	0	3
VHM2354	Laundry Operations	3	0	0	3
VTM2351	Handling Travel Agency	3	0	0	3

FOURTH SEMESTER					
Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
ANI2451	Maya Fundamentals	1	0	4	3
ASE2651	Aircraft Stability and Control	3	0	0	3
AST2451	Climate Change: Impact, Vulnerability and Adaption	3	0	0	3
BME2651	Biomechanic	3	0	0	3
CHY2651	Application of Nanotechnology in Medicine	3	0	0	3
CIV2651	Geotechnical Engineering-II	3	0	0	3
COM2451	Financial Management	3	0	0	3
CSE2651	Introduction to Genetic Algorithm	3	0	0	3
CSE2653	Information Storage Management	3	0	0	3
DAN2451	Advanced Dietetics	2	0	2	3
DSM2051	Disaster Management	3	0	0	3
ECE2651	Analytical Instrumentation	3	0	0	3
ECE2652	Robotics and Automation	3	0	0	3
ECO2451	Public Finance	3	0	0	3
ENG2451	The English Novels of India	3	0	0	3
ENG2452	Tagore as a Poet	3	0	0	3
ENV2451	Environmental Management and Industrial Safety	3	0	0	3
FCH2451	Implementation Practical on MATLAB	0	0	6	3
FDT2451	Fashion Management	2	1	0	3
FNA2451	Advanced Drawing with Ink with brush Illustration	3	0	0	3
GEN2051	Military Training Foundation	3	0	0	3

HIS2451	The Ancient World	3	0	0	3
JRN2451	TV Production & Presentation	2	0	2	3
LAN2461	Professional French for Business-4	2	1	0	3
LAN2462	Professional German for Business-4	2	1	0	3
LAN2463	EFE Professional Spanish for Business-IV	2	1	0	3
LAW2451	Trademark Law and Practices	3	0	0	3
LAW2452	Specific Themes in Human Rights	3	0	0	3
LOE2651	Lasers in Defense Applications	3	0	0	3
MAE2652	DOM	3	0	0	3
MGT2451	Business Environment	2	1	0	3
MTH2451	Database Management Systems	3	0	0	3
NAT2452	Synthesis of Nanomaterials	2	0	2	3
PED2451	Basics of Sports Management	3	0	0	3
POL2451	Politics and Media	3	0	0	3
PSY2451	Life Span Development	2	1	0	3
PSY2452	Positive Psychology and Work Life	3	0	0	3
SAE2451	Energy from Wastes	3	0	0	3
VFD2451	Prototype Preparation & Merchandise Plan	1	0	4	3
VFD2452	Prototype Garment Development	1	0	4	3
VHM2451	Advanced Food Production	3	0	0	3
VHM2452	Beverage Studies-Advanced	3	0	0	3
VHM2453	Front Office Supervisory Skills	3	0	0	3
VHM2454	Maintaining Guest Room	3	0	0	3
VTM2451	Coordinating Tour Transportations	3	0	0	3

FIFTH SEMESTER					
Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
ANI2551	Digital Editing	1	0	4	3
ASE2751	Aircraft Performance	3	0	0	3
AST2551	Primer of Oceanography	3	0	0	3
BME2751	Medical Image Processing	3	0	0	3
CHY2751	Intellectual Property Rights and Quality Assurance	3	0	0	3
CIV2751	Project-Geotechnical Engineering	3	0	0	3
COM2551	Cost Accounting	3	0	0	3
CSE2751	Soft Computing	3	0	0	3
CSE2753	Interfacing with Virtualization	3	0	0	3
DAN2551	Community Nutrition	3	0	0	3
DSM2051	Disaster Management	3	0	0	3
ECE2751	Industrial Process Control	3	0	0	3
ECE2752	Simulation and Modeling	0	0	6	3
ECO2552	Statistical Methods in Economics	3	0	0	3
ENG2551	Genre Fiction	3	0	0	3
ENG2552	Tagore as a Fiction Writer	3	0	0	3
ENV2551	Environmental Economics and Globalization	3	0	0	3
FCH2551	Cyber Security	2	0	2	3
FDT2551	Fashion Forecasting	2	1	0	3
FNA2551	Advanced Drawing and Illustration with Mural Art	3	0	0	3
GEN2051	Military Training Foundation	3	0	0	3
HIS2551	Rise of the Modern West	3	0	0	3
JRN2551	News Media	2	1		3

LAN2561	Introduction to French Literature & select socio-cultural aspects of France	2	1	0	3
LAN2562	Introduction to German Literature & select socio-cultural aspects of Germany	2	1	0	3
LAN2563	Introduction to Spanish Literature & select socio-cultural aspects of Spain	2	1	0	3
LAW2551	Emerging Legal Issues and Challenges	3	0	0	3
LAW2552	Legislation Themes in Human Rights	3	0	0	3
LOE2751	Lasers in Industrial Applications	3	0	0	3
MAE2752	Meteorology	3	0	0	3
MGT2551	Operations Research	2	0	2	3
MTH2551	Introduction to Financial Modeling	3	0	0	3
NAT2552	Characterization Techniques	3	0	0	3
PED2551	Sports Psychology	3	0	0	3
POL2551	South Asia: Political Perspectives	3	0	0	3
PSY2551	Psychometric Testing	2	1	0	3
PSY2552	Creativity and Problem Solving	3	0	0	3
SAE2551	Renewable Energy for Heat Applications	3	0	0	3
VFD2551	Pre-Production Management	1	1	2	3
VFD2552	Design Development	1	1	2	3
VHM2551	Food Production Supervisory Skills	3	0	0	3
VHM2552	F&B Service Supervisory Skills	3	0	0	3
VHM2553	Front Office Yield Management	3	0	0	3
VHM2554	Housekeeping Supervisory Skills	3	0	0	3
VTM2551	Tourism Management	3	0	0	3

SIXTH SEMESTER					
Course Code	Course Title	Lecture (L) Hours Per Week	Tutorial (T) Hours Per Week	Practical (P) Hours Per Week	Total Credits
ANI2651	Stop Motion	3	0	0	3
ASE2851	Introduction to Automatic Flight Control	3	0	0	3
AST2651	Fundamentals of Climate Variability and Modelling	3	0	0	3
BME2851	Seminar (Biomedical Engineering)	3	0	0	3
CHY2851	Pharmaceutical and Cosmetics Sciences Lab	3	0	0	3
CIV2851	Seminar- Geotechnical Engineering	3	0	0	3
COM2651	Management Accounting	3	0	0	3
CSE2851	Project – Artificial Intelligence	3	0	0	3
CSE2853	Cloud Computing Tools & Techniques	3	0	0	3
DAN2651	Food Chemistry	3	0	0	3
DSM2051	Disaster Management	3	0	0	3
ECE2851	Project (Instrumentation Engineering)	3	0	0	3
ECE2852	Project (Embedded System)	3	0	0	3
ECO2651	Money, Banking & Financial Markets	3	0	0	3
ENG2651	Contemporary Literature	3	0	0	3
ENG2652	Tagore and Mass Media	3	0	0	3
ENV2651	Sustainable Development Practices	3	0	0	3
FCH2651	Incident Response Management	2	1	0	3
FDT2651	Fashion Retailing & Visual Merchandising	3	0	0	3
FNA2651	Advanced Drawing and Illustration with Visual Design	3	0	0	3

GEN2051	Military Training Foundation	3	0	0	3
HIS2651	History of the World from Mid 20th Century to the 21st Century	3	0	0	3
JRN2651	Media Analysis	3	0	0	3
LAN2661	French through activities	2	1	0	3
LAN2662	German through activities	2	1	0	3
LAN2663	Spanish through activities	2	1	0	3
LAW2651	Future Aspects of Intellectual Property Rights	1	0	4	3
LAW2652	Report Writing and Thesis Preparation (Human Rights)	3	0	0	3
LOE2851	Lasers in Atmospheric Studies	3	0	0	3
MAE2852	Project (Mechanical Engineering)	3	0	0	3
MGT2651	Business Law	2	1	0	3
MTH2651	Statistical Quality Control	3	0	0	3
NAT2652	Industrial Application of Nanomaterials	3	0	0	3
PED2651	Sports Medicine	3	0	0	3
POL2651	Post-Cold War World Politics	0	0	3	3
PSY2651	Counselling Psychology	2	1	0	3
PSY2652	Positive Leadership & Competency Development	3	0	0	3
SAE2651	Energy Audit and Energy Management	3	0	0	3
VFD2651	Shipment & Documentation Management	1	0	4	3
VFD2652	Health & Safety Equilibrium	1	0	4	3
VHM2651	Food Production Management	3	0	0	3
VHM2652	F&B Management Skills	3	0	0	3
VHM2653	Managing Front Office	3	0	0	3
VHM2654	Housekeeping Management Skills	3	0	0	3
VTM2651	Event Planning	3	0	0	3

DISCIPLINE DESCRIPTORS

Sl. No.	Discipline	Discipline Descriptor	School or organisational unit that will be responsible for administration of the course
1	Artificial Intelligence & Robotics (Engineering)	AIE	Amity School of Engineering and Technology
2	Animation	ANI	Amity School of Communication
3	Architecture	ARC	Amity School of Architecture and Planning
4	Aerospace Engineering	ASE	Amity School of Engineering and Technology
5	Audiology, Speech and Language	ASL	Amity Medical School
6	Climate Science / Climate Mgmt.	AST	Amity School of Earth & Environment Sciences
7	Biochemistry	BCH	Amity School of Applied Sciences
8	Behavioural Science	BEH	Amity Institute of Behavioural and Allied Sciences
9	Interior Design (BSc 3 yr Program)	BID	Amity Institute of Design
10	Bioinformatics	BIF	Amity Institute of Biotechnology
11	Biological Science	BLS	Amity Institute of Biotechnology
12	Biomedical Engineering	BME	Amity School of Engineering and Technology
13	Biotechnology (PhD Courses)	BTC	Amity Institute of Biotechnology
14	Biotechnology (Engineering)	BTE	Amity Institute of Biotechnology
15	Biotechnology (Non Engineering)	BTH	Amity Institute of Biotechnology
16	Business Analytics	BUA	Amity Business School
17	M.Sc-Nursing (Community Health Nursing)	CHN	Amity College of Nursing
18	Chemistry	CHY	Amity School of Applied Sciences
19	Pharmaceutical	CHY	Amity School of Applied Sciences
20	Civil Engineering	CIV	Amity School of Engineering and Technology
21	Clinical Research	CLR	Amity Medical School
22	Construction Management Engineering	CME	Amity School of Engineering and Technology
23	Commerce/ Accounts	COM	Amity College of Commerce

24	Computer Science (3 Continent Program)	CSC	Amity School of Engineering and Technology
25	Computer Science	CSE	Amity School of Engineering and Technology
26	Computer Science (Part-time/ weekend)	CSP	Amity School of Engineering and Technology
27	Communication Skills	CSS	Amity School of Liberal Arts & Foreign Languages
28	Civil Engineering (3 Continent Program)	CVC	Amity School of Engineering and Technology
29	Civil Engineering (Part-time/weekend)	CVP	Amity School of Engineering and Technology
30	Dietetics & Nutrition	DAN	Amity Medical School
31	Data Sciences Engineering	DSE	Amity School of Engineering and Technology
32	Disaster Management **	DSM	Amity Business School
33	Electronics & Communication Engineering (3 Continent Program)	ECC	Amity School of Engineering and Technology
34	Electronics & Communication Engineering	ECE	Amity School of Engineering and Technology
35	Management (E-Commerce-Specialisation)	ECM	Amity Business School
36	Economics	ECO	Amity Business School
37	Electronics & Communication (Part-time/ weekend)	ECP	Amity School of Engineering and Technology
38	Bachelor of Education (B.Ed)	EDU	Amity School of Liberal Arts & Foreign Languages
39	Electronics & Electrical Engineering	EEE	Amity School of Engineering and Technology
40	Management (Executive MBA Full-Time)	EMF	Amity Business School
41	English & (Tagore Studies-OE)	ENG	Amity School of Liberal Arts & Foreign Languages
42	Environmental Sciences	ENV	Amity School of Earth & Environment Sciences
43	Earth Sciences	ESC	Amity School of Earth & Environment Sciences
44	Environment Engineering	EVE	Amity School of Engineering and Technology
45	Food & Beverage Services	FBS	Amity School of Hospitality
46	Forensic Science (Chemistry)	FCH	Amity School of Applied Sciences
47	Fashion & Design (3 Continent Program) 3 yrs. Programme	FDC	Amity Institute of Design
48	Fashion and Design - 3 yrs. Programme	FDT	Amity Institute of Design

49	Management (Finance & Accounting-Specialisation)	FIN	Amity Business School
50	Fine Arts	FNA	Amity Institute of Design
51	Front Office Operations	FOO	Amity School of Hospitality
52	French	FRE	Amity School of Liberal Arts & Foreign Languages
53	Fashion & Design (3 Continent Program) 4 yrs. Programme	FSC	Amity Institute of Design
54	Fashion and Design - 4 yrs. Programme	FST	Amity Institute of Design
55	Military Training Foundation**	GEN	Amity School of Liberal Arts & Foreign Languages
56	German	GER	Amity School of Liberal Arts & Foreign Languages
57	Hospital Administration (Part-Time) Working Professionals	HAP	Amity Medical School
58	History	HIS	Amity School of Liberal Arts & Foreign Languages
59	Hotel Mgmt. & Catering Technology (4 yrs. Programme)	HMC	Amity School of Hospitality
60	Management (HRM-Specialisation)	HRM	Amity Business School
61	Home Science	HSC	Amity Medical School
62	Hydro System and Technology Management Engineering	HSE	Amity School of Engineering and Technology
63	Hospitality (3 yrs. Programme)	HTM	Amity School of Hospitality
64	Humanities	HUM	Amity School of Liberal Arts & Foreign Languages
65	Management (International Business-Specialisation)	IBM	Amity Business School
66	Information Technology (Non engineering)	IFT	Amity School of Engineering and Technology
67	Interior Design (4 yrs program)	IND	Amity Institute of Design
68	Information Technology (Engineering)	INE	Amity School of Engineering and Technology
69	Industrial Production Engineering	IPE	Amity School of Engineering and Technology
70	Internet of Things	ITE	Amity School of Engineering and Technology
71	Management (Information Technology-Specialisation)	ITM	Amity Business School
72	Journalism (3 Continent Program)	JRC	Amity School of Communication
73	Journalism	JRN	Amity School of Communication

74	Foreign Language	LAN	Amity School of Liberal Arts & Foreign Languages
75	Law	LAW	Amity School of Law
76	Linguistics	LIN	Amity School of Liberal Arts & Foreign Languages
77	Laser Technology	LOE	Amity School of Engineering and Technology
78	Agri Business (Management)	MAB	Amity Business School
79	Mechanical Engineering (3 Continent Program)	MAC	Amity School of Engineering and Technology
80	Mechanical Engineering	MAE	Amity School of Engineering and Technology
81	Banking and Finance	MBF	Amity Business School
82	Machine Design Engineering	MDE	Amity School of Engineering and Technology
83	Mechanical Engineering (Part-time / weekend)	MEP	Amity School of Engineering and Technology
84	Management (3 Continent Program)	MGC	Amity Business School
85	Management (General)	MGT	Amity Business School
86	Hospital Administration	MHA	Amity Medical School
87	Hospital and Health Care	MHM	Amity Business School
88	Human Resource Management	MHR	Amity Business School
89	International Business	MIB	Amity Business School
90	Management (Marketing & Sales-Specialisation)	MKT	Amity Business School
91	Medical Lab Technology	MLT	Amity Medical School
92	Marketing and Sales	MMS	Amity Business School
93	M.Sc-Nursing (Medical Surgical Nursing)	MSN	Amity College of Nursing
94	Mathematics	MTH	Amity School of Applied Sciences
95	Management (Executive MBA for Working Professionals)	MWP	Amity Business School
96	Nanotechnology	NAT	Amity School of Engineering and Technology
97	Network & Cyber Security (Engineering)	NCE	Amity School of Engineering and Technology
98	Nano-Science Research	NSR	Amity School of Engineering and Technology

99	Network Technology & Management	NTM	Amity School of Engineering and Technology
100	Nursing	NUR	Amity College of Nursing
101	Optometry (Practitioner)	OPP	Amity Medical School
102	Optometry	OPT	Amity Medical School
103	Orthodontics	ORT	Amity Medical School
104	Physical Education	PED	Amity School of Liberal Arts & Foreign Languages
105	Physics	PHY	Amity School of Applied Sciences
106	Planning	PLN	Amity School of Architecture and Planning
107	Political Studies	POL	Amity School of Liberal Arts & Foreign Languages
108	Philosophy, Politics & Economics	PPE	Amity Business School
109	M.Sc-Nursing (Psychiatric Nursing)	PSN	Amity College of Nursing
110	Psychology	PSY	Amity Institute of Behavioural and Allied Sciences
111	Polymer Science & Technology (M.Tech)	PTE	Amity School of Applied Sciences
112	Polymer Science & Technology (M.Sc.)	PTH	Amity School of Applied Sciences
113	Public Health	PUH	Amity Medical School
114	Renewable Energy	RWE	Amity School of Applied Sciences
115	Renewable Energy (Part-Time)	RWP	Amity School of Applied Sciences
116	Solar and Alternate Energy	SAE	Amity School of Applied Sciences
117	Solar and Alternate Energy (Part-time / weekend programme)	SAP	Amity School of Applied Sciences
118	Social Work	SCW	Amity Institute of Behavioural and Allied Sciences
119	Software Engineering	SFE	Amity School of Engineering and Technology
120	Spanish	SPA	Amity School of Liberal Arts & Foreign Languages
121	Structural Engineering	STE	Amity School of Engineering and Technology
122	Thermal Engineering	THE	Amity School of Engineering and Technology
123	Transportation Engineering	TRE	Amity School of Engineering and Technology
124	Tourism & Travel (4 yrs. Programme)	TRM	Amity School of Hospitality
125	Tourism (3 yrs. program)	TTM	Amity School of Hospitality

126	VLSI (Very Large Scale Integration)	VDE	Amity School of Engineering and Technology
127	Fashion Design or Apparel Merchandising (Vocational / Skill Minor Track)	VFD	Amity Institute of Design
128	Hospitality / Hotel Mgmt. (Vocational / Skill Minor Track)	VHM	Amity School of Hospitality
129	Tourism & Travel (Vocational / Skill Minor Track)	VTM	Amity School of Hospitality

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THE GAZETTE OF INDIA: EXTRAORDINARY [PART III —SEC. 4]

UNIVERSITY GRANTS COMMISSION

UGC (Credit Framework for Online Learning Courses through SWAYAM) Regulation, 2016.

New Delhi, the 19th July, 2016

No. F.1-100/2016(MOOCs/e-content) 1. Preamble.

1.1 Whereas Education has to widen the access to higher education and bring down its cost by using technological advances,

1.2 Whereas Massive Open Online Courses (MOOCs) have emerged as a viable model for imparting education, involving conventional and online education,

1.3 Whereas the Indian version of online learning is being launched on an indigenous platform of learning, named as SWAYAM (Study Web of Active Learning by Young and Aspiring Minds),

1.4 Whereas there is a need to create synergies between the salient features of anytime-anywhere format of e-Learning and the traditional classroom-based chalk and talk method to develop a unique content delivery mechanism, which is responsive to learners' needs and ensures seamless transfer of knowledge across geographical boundaries,

1.5 Whereas there is a need to put in place a regulatory mechanism that would allow seamless connect between the online learning and the regular class room learning,

Now therefore;

University Grants Commission in exercise of the powers conferred by clause (f) and (g) of sub-section (1) of Section 26 of the UGC Act 1956 (No. 3 of 1956), makes the following Regulations, namely;

2. Short title, Application and Commencement:

2.1 These Regulations shall be called the UGC (Credit Framework for online learning courses through SWAYAM) Regulation 2016.

2.2 These shall apply to all universities established or incorporated by or under a Central Act, a Provincial Act, or a State/Union Territory Act and all institutions recognized by or affiliated to such Universities and all institutions deemed to be universities under Section 3 of the UGC Act, 1956.

2.3 These shall further apply to the transfer of credits of such students who are enrolled as regular/part-time students in any educational institution in India.

2.4 These shall come into force from the date of their publication in the official Gazette.

3. Definitions:

3.1 'Academic Council' is the body empowered to take decisions regarding all academic matters in an institution including the decision regarding permitting online learning courses through SWAYAM.

3.2 'Course' shall mean a paper which is taught for at least one semester as a part of a subject

3.3 'Four quadrant approach': the four Quadrant approach means e-learning system that has the following components:

- Quadrant-I is e-Tutorial: that shall contain: Video and Audio Content in an organised form, Animation, Simulations, Virtual Labs.
- Quadrant-II is e-Content: that shall contain: PDF/e-Books/illustration, video demonstrations, documents and Interactive simulations wherever required.
- Quadrant-III is Web Resources: that shall contain: Related Links, Open Content on Internet, Case Studies, Anecdotal information, Historical development of the subject, Articles.
- Quadrant-IV is Self-Assessment : that shall contain: MCQ, Problems, Quizzes, Assignments and solutions.

Discussion forum topics and setting up the FAQ, Clarifications on general misconceptions.

3.4 'Host Institution' shall mean the institution duly recognised/approved by the regulating authority, to which the PI/SME offering the course belongs.

3.5 'Institution' shall mean any academic institution registered and functioning in India.

3.6 'MOOCs': Massive Open Online Courses (MOOCs) are such online courses which are developed as per the pedagogy stated herein; following the four quadrant approach and made available on the SWAYAM platform of Government of India.

3.7 'MOOCs Guidelines' shall mean guidelines on online learning issued by the MHRD vide its orders dated 11th March 2016 and subsequent addendums issued by the MHRD.

3.8 'National MOOCs Coordinator' (NMC) is a Nation level agency designated as such by the Government, for the purpose of coordinating the production of the online courses and for overseeing their quality in a designated sector of learning.

3.9 'Parent Institution' shall mean the institution/university/college where the student is enrolled as a regular/parttime student.

3.10 'Principal Investigator (PI)': The PI shall be a Subject Matter Expert (SME) belonging to a reputed educational institution, identified and entrusted with the task of developing and delivering MOOCs in a given area by the NMC.

3.11 'Sector' shall mean a particular level of learning such as high school, engineering/non-engineering diploma/degree/post-graduation.

3.12 'Subject' shall mean a discipline (eg Mathematics) taught in an educational institution consisting of specific courses, resulting in awarding of a certificate/diploma/degree.

3.13 'SWAYAM platform' is an IT platform developed and made functional by the Ministry of Human Resource Development of Government of India for the purpose of offering online learning courses on the MOOCs pattern.

4. Online learning courses:

4.1. The online learning courses shall be made available on the SWAYAM Platform by the PI identified by the National MOOCs Coordinator, through the Host Institution, as per the schedule finalised by him/her.

4.2. The SWAYAM shall notify to the Registrars of all the Institutions, on 1st June and 1st November every year, the list of the online learning Courses going to be offered in the forthcoming Semester.

4.3. All the Institutions shall, within 4 weeks from the date of notification by SWAYAM, consider through their Competent Authority the online learning courses being offered through the SWAYAM platform; and keeping in view their academic requirements, decide upon the courses which it shall permit for credit transfer.

Provided that an Institution can only allow up to 20% of the total courses being offered in a particular program in a Semester through the online learning courses provided through SWAYAM platform.

4.4. While making this decision, the Academic Council may, *inter alia*, consider allowing online courses of SWAYAM if:

- a) There is non-availability of suitable teaching staff for running a course in the Institution or
- b) The facilities for offering the elective papers (courses), sought for by the students are not on offer in the Institution, but are available on the SWAYAM platform.
- c) The courses offered on SWAYAM would supplement the teaching-learning process in the Institution.

4.5 Every student, in the class of the institution, offering a particular paper (course) would be required to register for the MOOCs for that course/paper.

4.6 While allowing the online learning Courses offered by SWAYAM, it shall be ensured that the physical facilities like Laboratories, computer facilities, library etc, essential for pursuing the courses shall be made available free and in adequate measure by the parent institution.

4.7 The parent institution must designate a course coordinator/facilitator to guide the students throughout the course and to facilitate/conduct the Lab/Practical sessions/examinations.

5. Evaluation and Certification of MOOCs

5.1. The host institution and the PI shall be responsible for evaluating the students registered for the MOOCs course launched by him/her.

5.2. The evaluation should be based on predefined norms and parameters and shall be based on a comprehensive evaluation throughout the length and breadth of course based on specified instruments like discussions, forums, quizzes, assignments, sessional examinations and final examination.

6 THE GAZETTE OF INDIA : EXTRAORDINARY [PART III —SEC. 4

5.3. Whereas an online examination would be the preferred mode, the PI shall be authorised to decide on the mode of conducting the final examination. This shall be announced in the overview of the Course at the time of offering the course.

5.4. In case, open and paper final examination is to be conducted, the same shall be offered through any college/school volunteering to conduct the same. The decision in this respect will be of the PI and the host institution.

5.5. After conduct of the examination and completion of the evaluation, the PI through the host institution shall award marks/grade as per the evaluation scheme announced.

5.6. The final marks/grade shall be communicated to the students as well as the parent institution of the student, within 4 weeks from the date of completion of the final examination.

5.7. The parent Institution shall, incorporate the marks/grade obtained by the student, as communicated by the Host Institution through the PI of the SWAYAM course in the marks sheet of the student that counts for final award of the degree/diploma by the University with the proviso that the programs in which Lab/Practical Component is involved, the parent institution will evaluate the students for the practical/Lab component and accordingly incorporate these marks/grade in the overall marks/grade

5.8. A certificate regarding successful completion of the MOOCs course shall be signed by the PI and issued through the Host Institution and sent to the Parent Institution.

6. Credit Mobility of MOOCs

6.1. The parent Institution shall give the equivalent credit weightage to the students for the credits earned through online learning courses through SWAYAM platform in the credit plan of the program.

6.2. No university shall refuse any student for credit mobility for the courses earned through MOOCs.

7. Amendment required in University Rules and Regulations for Seamless Integration of MOOCs

- 7.1 Every Institution, shall within 4 weeks from the date of issue of these Regulations, shall decide through their Competent Authority, the amendments required in their Ordinances, Rules, Regulations etc to incorporate provisions of these Regulation.

8. Transitory Measures

8.1 The UGC shall notify a Standing committee to resolve any issues that may arise in the implementation of these regulations during the transition period of three years.

Prof. JASPAL S. SANDHU, Secy. UGC

[ADVT.-III/4/Exty./182 (113)]

AMITY UNIVERSITY HARYANA
Amity Education Valley, Gurgaon (Manesar)

Course Manual

Name of Institution:

Programme:

Batch :

Prerequisite:

Course/ Course Credit	Course code:
Faculty Name:	Semester:
Designation:	Email:

1. **Course Overview:** (About the Course)2. **Course Coverage:**

Module 1

Module 2:

Module 3:

Module 4:

3. **Learning Outcomes:** (of the Course)4. **At the end of the course students will be able to:** (Definitive Outcomes)5. **Resources:** (APA Style)a) **Main text:**b) **Additional Texts:**c) **Other readings:**6. **Detailed Session Plan:**7. **Total No of Sessions –**

Module-1:

Session	Topics	Pedagogical Technique/s Used	Additional Readings/ Assignments/Websites/Links to online resources	Assessment criteria (based on specific Pedagogical Technique)

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 Dean - Academics
 Amity University Haryana
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Module-2:

Session	Topics	Pedagogical Technique/s Used	Additional Readings/ Assignments/Websites/Links to online resources	Assessment criteria (based on specific Pedagogical Technique)

Poojika

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8. Assessment Scheme (more columns may be added for assessment):

Components	Assessment 1	Assessment 2	Assessment 3	Assessment 4	External
Weightage (%)					70

9. Components to Choose From – MOOCS, Day with Expert, Case Study, Teach Back, Quiz, Mini Survey, Simulation/Games, Brain Storming/Argumentation, Flipped Classroom. However, this list is not exhaustive. Faculty may use any other suitable pedagogical technique to ensure optimal learning.

10. Detailed Session Plan:

Module I: Introduction

Learning Outcome/s:

Question(s) for discussion in class:

Module II:

Learning Outcome/s:

Question(s) for discussion in class:

Module III:

Learning Outcome/s:

Question(s) for discussion in class:

Module IV:

Learning Outcome/s :

Question(s) for discussion in class

ACADEMIC PLANNING WORKSHEET

Name of the Student _____
 Name of the Programme: BBA

Technology (6 Cr)
 MGT2101 Computers in Management
 MGT2302 Mgt Information System
 Concentration Electives (12 Cr in case of specialization in IT)

Values and Ethics (1 Cr)
 MGT2206 Human Values and Professional Ethics (Conc Elective)
 BEH2551 Ind. , Society & Nations

Communication and Behavioural Sciences (11 Cr)
 CSS2151 Effective Listening
 CSS2251 Presentation Skills
 CSS2351 Reading and Comprehension
 CSS2451 Corporate Communication
 CSS2551 Employability Skills
 CSS2651 Workplace Communication
 BEH2151 Understanding Self

 BEH2251 Problem Solving
 BEH2351 Group Dynamics....
 BEH2451 Stress & Coping Strategies
 BEH2651 Interpersonal Communication and Relationship Management .

Environmental Awareness (4 Cr)
 MGT2152 Environmental Studies (4 Cr)
 Open Electives (12 Cr in case minor track is selected as Env. Management)

Global Exposure (15 Cr)
 Foreign Language (12 Cr)

MGT2501 International Business Management
 Study Abroad (3 Cr- Concentration Elective)
 Open Elective (18 Cr in case minor is selected as European Studies/ German Studies/ French Studies)

Business Fundamentals (56Cr)
 MGT2151 Management Foundations
 MGT2102 Financial Accounting
 MGT 2103 Managerial Economics
 MGT2251 Marketing Management
 MGT2201 HRM

MGT2202 Business Statistics
 MGT2203 Corporate Accounting
 MGT2351 Organizational Behaviour
 MGT2301 Financial Management
 MGT2303 Cost Accounting
 MGT2304 Analytical Decision Making
 MGT2451 Business Environment
 MGT2401 Prodn& Operation Mgt

Total Credit requirement: 150
 MGT2402 Research Methodology and Report Preparation
 MGT2403 Management Accounting
 MGT2551 Operational Research
 MGT2502 Entrepreneurship Devlp
 MGT2651 Business Law
 MGT2601 Business Policy and Strategic Management

Business Depth (24 Cr)

Open Electives (18 Cr)

15 Credits to be earned through Dissertation and Summer project


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Sample Programme Profile Sheet

Name of Programme: BA (Honours) Economics

Total 150 Credits

<p>Semester 1(27 Credits) Core Courses 4 (12 Credits) Concentration Electives(3 Credits) _____ _____ Open Electives (12 Credits)</p> <ul style="list-style-type: none"> • Foreign Language(3 Credits) _____ • Effective Listening (1 Credit) • Understanding Self for Effectiveness (1 Credits) • Environmental Studies (4 Credits) • Others(3Credits) _____ 	<p>Semester 2 (24 Credits) Core Courses 4 (13 Credits) Concentration Electives (3 Credits) _____ _____ Open Electives(8 Credits)</p> <ul style="list-style-type: none"> • Foreign Language (3 Credits) _____ • Presentation Skills (1 Credit) • Problem Solving and Creative thinking (1 Credit) • Others 3Credits _____
<p>Semester 3(23Credits) Core Courses 4 (13Credits) Concentration Electives(3 Credits) _____ _____ Open Electives(7 Credits)</p> <ul style="list-style-type: none"> • Foreign Language (2 Credits) _____ • Reading & Comprehension(1 Credit) • Group Dynamics and Team Building (1 Credit) • Others (3Credits) _____ 	<p>Semester 4(22 Credits) Core Courses 4 (12 Credits) Concentration Electives (3 Credits) _____ _____ Open Electives(7 Credits)</p> <ul style="list-style-type: none"> • Foreign Language (2 Credits) _____ • Corporate Communication(1 Credit) • Stress and Coping Strategies (1 Credit) • Others(3Credits) _____
<p>Semester 5 (28 Credits) Core Courses 4+ Summer Project (18 Credits) Concentration Electives 3 Credits _____ _____ Open Electives 7 Credits</p> <ul style="list-style-type: none"> • Foreign Language (2 Credits) _____ • Employability Skills(1 Credit) • Individual, Society and Nation (1 Credit) • Others(3Credits) _____ 	<p>Semester 6(26 Credits) Core Courses 3+ Dissertation (18 Credits) Concentration Electives (3 Credits) _____ _____ Open Electives 5 Credits</p> <ul style="list-style-type: none"> • Communication Skills (1 Credit) _____ • Workplace Communication (1 Credit) • Others (3Credits) _____


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