

# Saint Mary's College

FYUP DEGREE FIRST SEMESTER

ORIENTATION PROGRAMME

1<sup>ST</sup> AUGUST 2024

# The Semester

- A semester is a period of 5-6 months of an academic session.
- In one year, there are 2 semesters. ( *6 semesters for a 3-year degree course and 8 semesters for a 4-year degree course*)
- Continuous Internal Assessment (tests/ projects/ assignments etc) and Final External Exams are conducted at the semester end.
- The student proceeds to the next semester irrespective of exam results.  
Eg from 1<sup>st</sup> semester to 2<sup>nd</sup> semester and so on
- A student who wishes to study for only 3 years (6 semesters) will receive an Honours certificate.
- The 4 year study programme, i.e the 7<sup>th</sup> and 8<sup>th</sup> semesters, are meant for Research in the Honours paper.
- A student must achieve 75% aggregate for Research in the Honours paper.

# Four Year Undergraduate Programme under NEP 2020

- Undergraduate Programme of 3- 4 years
- Multiple Exit and Entry options.
- Exit after 1 year (2 semesters) – Certificate (with internship)
- Exit after 2 years (4 semesters) – Diploma
- Exit after 3 years (6 semesters) – Degree
- Exit after 4 years (8 semesters) – Honours (with Research after completion of project work)
- Exit and Entry option- Student can leave and rejoin the semester in the same institute or another institute without starting from the beginning.

## Four Year Undergraduate Programme

### 3 years (6 semesters)

- There are **33** papers to be covered in **3** years.
- **15** papers are Major papers. (*studied every semester*)
- **18** papers are from other subjects- Minor, SEC, AEC, VAC, MDC and Vocational and Training. (*change from one semester to another*)
- Each semester has 5 to 6 papers.
- Minor paper is usually chosen from the same discipline or stream. *Eg Political Science Major with Sociology Minor. Physics Major Maths Minor, Home Science major with CND minor, Commerce major with Eco minor*
- There is no restrictions on the choice of the Minor subject. (*Science major can choose Arts Minor and vice versa*)
- Student can change their Minor subject to a Major subject after the 2<sup>nd</sup> semester provided certain conditions are met. (*with no failed papers*)

## Six Papers of FYUGP

- **Paper : MAJOR** – Honours subject main subject to be studied every semester.
- **Paper: MINOR** – Elective subject from the same discipline (1<sup>st</sup> sem, 2<sup>nd</sup> sem, 5<sup>th</sup> sem)
- **Paper: Value Added Course (VAC)**—Courses covering Environmental Science, Health and Wellness, Understanding India, Life Skills Education.
- **Paper: Skill Enhancement Course (SEC)** - practical skills, hands on training, soft skills- (Choose ONE from Options given) - Motivation, Team Building, Public Speaking, Personality Development.
- **Paper: Ability Enhancement Courses (AEC)** –language and communication – (Choose ONE from Options given), Alternative English, MIL (Khasi/ Hindi/ Mizo).
- **Paper: Multi-Disciplinary Courses (MDC)**- choose subjects not studied before - (Choose ONE from Options given) - Commercial Arithmetic & Elementary Statistics, Culture And Society, Fundamentals Of Earth System Science, Fundamentals Of Lifelong Learning, Introductory Life Sciences, Introduction To National Cadet Corps, Introduction To Psychology, Mathematics In Daily Life, Philosophy Of Culture.
- **Paper: Vocational Education and Training Course (VTC)** – skills oriented courses
- Note: Different VACs, SECs, MDCs are offered in different semesters

# Paper: VALUE ADDED COURSE (VAC)

- **Value Added Course (VAC)**—Courses covering Environmental Science, Health and Wellness, Understanding India, Life Skills Education.
- VAC Environmental Science is compulsory in the 1<sup>st</sup> sem.  
(*Environment, Natural Resources, Food Chain, Ecosystem, Biodiversity, Pollution*)
- Options in 2<sup>nd</sup> sem —
  - Health and Wellness
  - Understanding India
  - Life Skills Education

## **Paper: SKILL ENHANCEMENT COURSE (SEC)**

- **Skill Enhancement Course (SEC)** - practical skills, hands on training, soft skills (*interact, communicate, solve problems, manage work*)
- (Choose ONE from Options given)
- Motivation – (*Definition, Skills for promoting, Improving*)
- Team Building (*Definition, Leadership, Trust, Challenges, Accountability*)
- Public Speaking (*Types, Tools and Techniques, Presentation*)
- Personality Development (*Definition, Will Power, Self Confidence, Attitude, Career Planning*)

## **Paper: Ability Enhancement Courses (AEC)**

- **Ability Enhancement Courses (AEC)** – to improve and become adept at a Modern Indian Language and the English language
- (Choose ONE from Options given (*1<sup>st</sup> sem and 2<sup>nd</sup> sem*)
- Alternative English.
- MIL Khasi.
- MIL Hindi.
- MIL Mizo.



## **PAPER: MULTI-DISCIPLINARY COURSES (MDC)**

- To learn a new subject, thus choose a subject not studied before. Also free to choose any MDC
- Choose **ONE** from Options given:
- Commercial Arithmetic & Elementary Statistics
- Philosophy Of Culture
- Fundamentals Of Earth System Science
- Fundamentals Of Lifelong Learning
- Introductory Life Sciences
- Introduction To National Cadet Corps- NCC
- Introduction To Psychology
- Mathematics In Daily Life
- Culture And Society

# **PAPER: MULTI-DISCIPLINARY COURSES (MDC)**

## **COMMERCIAL ARITHMETIC & ELEMENTARY STATISTICS**

- Average, Ratio, Proportion, Calculate Time and Distance, Simple Interest, Bank Interest, Interest on Instalment payment, Compound Interest, Annuity, Profit and Loss Market Discount
- Bankers discount, true discount, stock exchange payment, commission and brokerage, dividend
- Statistics, Averages ( mean, median, Mode) Diagrammatic Presentation of business data

# **PAPER: MULTI-DISCIPLINARY COURSES (MDC)**

## **Philosophy of Culture.**

*( study the imp qualities and meaning of culture- "the way of life for an entire society. “ language, dress, social customs, rituals, knowledge, traditions, beliefs, laws, rules, taboos)*

- **Meaning of Culture, Kinds and the foundation of culture**
- **Belief systems, Tribal Cultures, Cultural Identity**
- **Indian Culture – Vedic and Buddhist**

# **PAPER: MULTI-DISCIPLINARY COURSES (MDC)**

## **FUNDAMENTALS OF EARTH SYSTEM SCIENCE**

*( Earth as an interconnection of the Geosphere (rocks, land), Atmosphere (air, weather), Hydrosphere (water, ice), Biosphere (plants, animals), and Exosphere (sun, space).)*

- Origin and Age of the Earth
- Geomorphology- study of landforms, their features and origins eg lakes, mountains, valleys etc
- Minerals and Rocks - properties and classification eg Crystals, Iron ore, Gold, Diamonds, Quartz etc

# **PAPER: MULTI-DISCIPLINARY COURSES (MDC)**

## **FUNDAMENTALS OF LIFELONG LEARNING**

*(pursuit of learning for either personal or professional reasons)*

- Definition and Types, Need and Importance
- Adult education and Lifelong learning
- Government programmes for Lifelong Learning – for Women, Farmers, Skilled Training

# **PAPER: MULTI-DISCIPLINARY COURSES (MDC)**

## **INTRODUCTORY LIFE SCIENCES**

*(the scientific study of living organisms & life processes)*

- Origin of life, features of Lifeform and their classification, (up to kingdom classification)
- Prokaryotic and Eukaryotic life forms, biomolecules, genes and inheritance
- Bio resources, evolution, ecology, biodiversity, wildlife management

# **PAPER: MULTI-DISCIPLINARY COURSES (MDC)**

## **INTRODUCTION TO NATIONAL CADET CORPS (NCC)**

- NCC Motto, flag, song, aims, types and role of NCC cadets, organizational structure of the NCC (Army, Navy Airforce), NCC Certificate and awards
- Drills – types and aims, Marching drill, drill commands - at ease, attention, Forming up on Ranks, Drill Uniform, Parade, Guard of Honour.
- Weapons – Basic weapon training, Weapon Care and Maintenance, Sighting, Loading, Unloading , Safety Procedure, Shooting Positions and Firing.

# **PAPER: MULTI-DISCIPLINARY COURSES (MDC)**

## **INTRODUCTION TO PSYCHOLOGY**

*(the scientific study of the human mind and human behavior)*

- Meaning, Nature and Scope, Behaviourism, Cognitive, Biological
- Physiological Basis of Psychology- Nervous system, Endocrine system, Hemisphere division Neurons
- Pro Social Behaviour- Types, Influences and Benefits



# **PAPER: MULTI-DISCIPLINARY COURSES (MDC)**

## **MATHEMATICS IN DAILY LIFE**

- Arithmetical Ability – Unit conversion (length, mass, time), Number system- decimal fractions, square roots, cube roots, HCF and LCM, Percentage, Ratio, Area, Volume, Height and Distance in everyday life
- Banking Ability – Interest, Simple Interest, Compound Interest, Discount, annuity, Equated Monthly Installments (EMI)
- Data Interpretation – Bar Graph, Line Graph, Calendar and Clocks.

# **PAPER: MULTI-DISCIPLINARY COURSES (MDC)**

## **CULTURE AND SOCIETY**

- Concepts and Theory of Culture, Parts of Culture
- Cultural and its Attributes- Language, Religion, Technology, Food
- Socio-Cultural Diversity - India and North-East India, Indigenous Knowledge Systems of the Tribes of North-East India

## **Paper: Vocational Education and Training Course (VTC)**

- Skills oriented course which is compulsory
- Involves Theory, Practical and Internship
- Students chooses **ONE** Vocational Training Course from the choices offered by the college.
- VTC starts in the 3<sup>rd</sup> semester, then proceeds to 4<sup>th</sup> sem, complete Internship in 5<sup>th</sup> sem and final Theory and Practical in 6<sup>th</sup> sem.
- Internship is a short-term work experience where stduents get to work in the field of the vocation they are studying.

## Semester wise Paper break up

Year	Semester	Paper 1	Paper 2	Paper 3	Paper 4	Paper 5	Paper 6	Exit Qualification
1 <sup>st</sup> Year	1 <sup>st</sup>	Major	Minor	AEC	SEC	MDC	VAC	
	2 <sup>nd</sup>	Major	Minor	AEC	SEC	MDC	VAC	Certificate (Internship)
2 <sup>nd</sup> year	3 <sup>rd</sup>	Major	Major	AEC	SEC	MDC	VTC	
	4 <sup>th</sup>	Major	Major	Major	Major	VTC		Diploma
3 <sup>rd</sup> year	5 <sup>th</sup>	Major	Major	Major	Minor	Internship		
	6 <sup>th</sup>	Major	Major	Major	Major	VTC		Degree
4 <sup>th</sup> year	7 <sup>th</sup>	Methodology	Major	Major	Major	Minor		
	8 <sup>th</sup>	Project	Major	Major	Major	Major	Minor	Hons with Research

# Credits

- **Credits** are a way to measure the work involved in the completion of a topic. It is based on attendance in class, class seminars, project work, quiz, exams, tests, research, community work, internship, and so on.
- MAJOR paper - **4 credits- 60/ 75** contact hours (75 hours for subjects with practical)
- MINOR paper - **4 credits- 60/ 75** contact hours
- VAC (Value Added Course) - **3 credits- 45** contact hours
- AEC (Ability Enhancement Course) – **2/3 credits – 30/45** contact hours
- SEC (Skill Enhancement Course) - **3 credits - 45** contact hours
- MDC (Multi Disciplinary Courses) - **3 credits - 45** contact hours
- VTC (Vocational Training Course) - **4 credits- 75** contact hours
- Note: Each Semester has a total of 20 credits.

# Sample of Credits and Contact Hours in FYUP Syllabus

## **ECO-100: MICROECONOMICS I**

**( Contact Hours: 60, Credits:4)**

### **Course Objectives:**

This course is designed to expose the students to the basic principles of microeconomic theory.

The emphasis will be on thinking like an economist and the course will illustrate how microeconomic concepts can be applied to analyze real life situations.

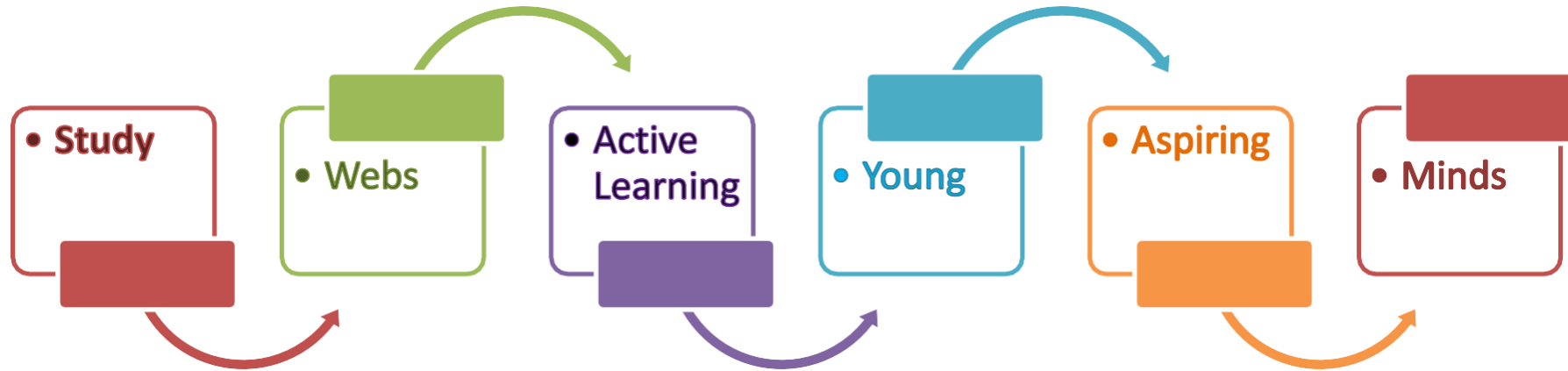
### **Learning Outcomes:**

As a foundation course, in this Paper, the student will understand the behaviour of an economic agent, namely, a consumer, a producer, a factor owner and the price fluctuations in a market.

In addition, the student will learn principles of factor pricing and welfare economics.

## Academic Bank of Credits ID (ABC ID)

- APAAR, which stands for **Automated Permanent Academic Account Registry**, is a specialized identification system designed for all students in India. It is also known as the **Academic Bank of Credits ID (ABC ID)** *\*Aadhar card is compulsory to make ABC ID*
- Student opens an account on the Academic Bank of Credits (ABC) portal with the verification of the Institute and University.
- The student's credits are uploaded on the national online portal Academic Bank of Credits.
- The ABC ID allows Students to exit and rejoin a semester and complete the number of credits and contact hours they must attain.
- The ABC ID also allows students to migrate from one institute to another without having to start all over again.



## Online courses for FYUP students

- Online courses are offered on SWAYAM
- Online course are for selected and approved SEC and MDC only.
- Courses start in the 3<sup>rd</sup> semester.
- Students can register on SWAYAM with the help of the teachers in charge.



# Examination Marks and Grades for FYUP students

	% Mark Range	Grade Point	Letter Grade	Description
1	90 to 100	10	O	Outstanding
2	80 to <90	9	A+	Excellent
3	70 to <80	8	A	Very Good
4	60 to <70	7	B+	Good
5	50 to <60	6	B	Average
6	40 to <50	5	P	Pass
7	<b>Below 40</b>	<b>4</b>	<b>F</b>	<b>Fail</b>

**A student securing less than 5.0 grade points on the 10 point (below 40%) grading scale shall be declared unsuccessful/fail.**

# Academic Relevance of Grade Points.

- Pass mark is 40 % of the total marks in a paper.
- Pass mark is 40 for Major, Minor, VTC (total 100 marks)
- Pass mark is 30 for VAC, AEC, SEC, MDC (total 75 marks)
- Improvement is allowed only for papers with a Grade Point of 6.0 or below (40% to <60 %)\*
- **SGPA and CGPA to be calculated only for those who have passed all credit papers/ courses. \*\***

# Semester Grade Point Average (SGPA) Formula

SGPA is calculated using the Grade Points and the Course Credits

	Paper	Course Credits	Eg of Students Percentage	Corresponding Grade Point	Credit Point (Credit x Grade Point)
1	Major	4	91	10	$4 \times 10 = 40$
2	Minor	4	83	9	$4 \times 9 = 36$
3	VAC	3	76	8	$3 \times 8 = 24$
4	AEC	3	62	7	$3 \times 7 = 21$
5	SEC	3	59	6	$3 \times 6 = 18$
6	MDC	3	46	5	$3 \times 5 = 15$
		<b>(TC) Total Credits : 20</b>	-	-	<b>(TCP) Total Credit Points = 154</b>
			<b>SGPA = TCP/TC</b>	<b>SGPA = 154/20</b>	<b>SGPA = 7.7</b>

# Cumulative Grade Point Average (CGPA) Formula

*CGPA calculated using Total Credits and Total Credits Points*

Semester	Total Credits of Semester	Eg of Students SGPA	Cumulative Credit Points (Credits x SGPA)
1 <sup>st</sup> sem	20	6.9	$20 \times 6.9 = 138$
2 <sup>nd</sup> sem	20	7.8	$20 \times 7.8 = 156$
3 <sup>rd</sup> sem	20	5.6	$20 \times 5.6 = 112$
4 <sup>th</sup> sem	20	6.0	$20 \times 6.0 = 120$
5 <sup>th</sup> sem	20	6.3	$20 \times 6.3 = 126$
6 <sup>th</sup> sem	20	8.0	$20 \times 8.0 = 160$
-	(TSC) Total Semester Credits : 120		(TCP) Total Credit Points = 812
	CGPA = TCP/TSC	CGPA = 812/120	CGPA = 6.766
			Final CGPA = 6.77

THANK YOU

# *SAINT MARY'S COLLEGE ANTHEM*

**O, Marian raise your voices,  
In praise of the College loved by all.  
The College that has guided your footsteps,  
Rightly gladly we'll answer her clarion call.  
Red, white and blue are her colours,  
Her motto proclaiming the truth,  
That knowledge when coupled with virtue,  
Is a fitting grace to crown our youth.**

## **Chorus:**

**Marians we'll always be,  
Nobly we'll do our part.  
Women are we yet bravely we'll lead,  
We'll stand for the right and never never yield  
Aiming at virtue high, knowledge to gain we'll try,  
Youthful and strong,  
Singing our song,  
We are proud of Saint Mary's College.**

**No matter where the years may find us;  
It matters not what they may bring.  
We'll cling to our College and its motto,  
And its praises we'll loyally sing.  
Life's but a swift fleeting shadow,  
With its playthings we one day must part,  
But Mary Our Mother will shield us,  
And draw us to the Sacred Heart.**

## **Chorus:**

**Marians we'll always be,  
Nobly we'll do our part.  
Women are we yet bravely we'll lead,  
We'll stand for the right and never never yield  
Aiming at virtue high, knowledge to gain we'll try,  
Youthful and strong,  
Singing our song,  
We are proud of Saint Mary's College.**