



# Islamia College of Science & Commerce

NAAC Re-Accredited Grade 'A'

UGC -Autonomous, Affiliated with University of Kashmir

Hawal, Srinagar, Jammu & Kashmir -190002

## STUDENT NOTIFICATION FOR SEM-I BATCH 2022

### SKILL COURSES UNDER NEP-2020

This is for the information of the students of Batch 2022 that the College under NEP-2020 is offering following basket of Skill Courses for semester 1 detailed as under:

<b>Skill Basket for Sem-I Batch 2022</b>				
<b>Department</b>	<b>Skill courses Offered</b>	<b>Objectives</b>	<b>Outcomes</b>	<b>Intake</b>
<b>Botany</b>	Floriculture-I	<ul style="list-style-type: none"> <li>To make students learn about Ornamental plants and their various classes.</li> <li>Landscaping and market value of various ornamental plants</li> </ul>	After completing this course student will be well equipped with the knowledge of ornamental plant diversity and it's application in landscaping and gardening.	80
<b>Biotechnology</b>	Hydroponics	<ul style="list-style-type: none"> <li>To make students acquainted with soil less culture of nurse plants (green leafy vegetables, herbs etc)</li> </ul>	Student will be able to grow vegetables etc in minimum facility and make his earning.	80
<b>Biotechnology</b>	Fermentation-I	<ul style="list-style-type: none"> <li>To understand basis of fermentation technology.</li> <li>To understand sterilization process necessary for fermentation technology</li> <li>To study the basic design of a fermentation media</li> <li>To study making of different products by fermentation</li> </ul>	At the end of the course students will be able to: <ul style="list-style-type: none"> <li>Do the sterilization of media/ necessary items for setting up fermentation process</li> <li>Select a Micro organism for a particular bioprocess.</li> <li>Provide suitable media for making a product</li> <li>Produce a product using fermentation</li> </ul>	80
<b>Zoology</b>	Sericulture-I	<ul style="list-style-type: none"> <li>To understand the biology and Life History of Silkworm.</li> <li>To familiarise with practices, tools cum techniques and equipment's used in sericulture and silkworm rearing.</li> <li>To get acquainted with sericulture as an agro-based industry.</li> <li>To provide entrepreneurship opportunities in the field of sericulture.</li> </ul>	<ul style="list-style-type: none"> <li>Students will get acquainted with the art of silkworm rearing and silk production.</li> <li>Students will get sufficient knowledge about cocoon processing, preservation and silk harvesting.</li> <li>Students will learn to manage and control the various silkworm pests and pathogens to improve the productivity.</li> <li>Will enable students to adopt sericulture as self-employment avenue and as an entrepreneurship.</li> <li>Will help students to learn about techniques best suited for cold region like Kashmir.</li> </ul>	80
<b>Chemistry</b>	Essential Oils Extraction	<ul style="list-style-type: none"> <li>To acquaint the students with the concept and applications of essential oils.</li> <li>To familiarise the students with the source of essential oils and methods of their extraction.</li> <li>To provide know how of processing and concentration of essential oils.</li> </ul>	<ul style="list-style-type: none"> <li>Use and commercial applications of essential oils in day-to-day life.</li> <li>Processes for making essential concentrates and their commercialization.</li> <li>The potential of essential oils in creating entrepreneur ventures.</li> </ul>	160
<b>Biochemistry</b>	Food Preservation	<ul style="list-style-type: none"> <li>The student Enrolled for the course will acquire the knowledge based on the following course outline:</li> <li>Introduction to Foods consumed by humans.</li> <li>Food quality improvement.</li> <li>Additives used in Foods</li> <li>Causes for food deterioration, and remedies to overcome it.</li> <li>Methods of Food Preservation</li> <li>Methods of Food Processing</li> </ul>	Student will be able to understand Techniques and technologies of Food Preservation useful in Food Preservation Industry.	80
<b>Computer Applications</b>	Web Technologies	<ul style="list-style-type: none"> <li>To learn basics of Internet and web development.</li> <li>To learn HTML &amp; working with CSS.</li> <li>To develop the ability to logically plan and develop web pages (front end).</li> <li>To learn to write, test, and debug web pages using HTML, CSS."</li> </ul>	<ul style="list-style-type: none"> <li>Understand working of internet.</li> <li>Understand www &amp; Development of web pages.</li> <li>Design and develop web pages using HTML, CSS.</li> <li>Understand hosting &amp; deployment of websites.</li> </ul>	160
<b>Information Technology</b>	Data Entry/ Computer Operator	<ul style="list-style-type: none"> <li>Basic Knowledge of Operating a Computer, Printer, Internet, Email, Search Engines.</li> <li>Learn to use Word Processing Software such as MS Word, Google Docs</li> <li>Using Spreadsheet Software like MS Excel, Google Sheets</li> <li>Learn about Communication &amp; Collaboration using online Tools like Google Forms, Document Sharing"</li> </ul>	After acquiring this certification an individual can work as Data Entry Operator. Both government and private sectors offer excellent employment opportunities in data entry service. Data entry operators may work in many fields, including banking, insurance, marketing, accounting, human resources, healthcare sector etc.	160
<b>Electronics</b>	Repair and Maintenance of Power Supply Inverter and UPS-I	<ul style="list-style-type: none"> <li>Acquaint the students with Power Supply, Inverter, UPS and it's working.</li> <li>How to troubleshoot them."</li> </ul>	<ul style="list-style-type: none"> <li>The students will be able to understand Power Supply, Inverter, UPS.</li> <li>The students will acquire skill of repairing and maintenance of Power Supply, Inverter, UPS.</li> </ul>	80

<b>Physics</b>	Harnessing Solar Energy-I	<ul style="list-style-type: none"> <li>Understanding the fundamentals of solar energy as potential source of clean, eco-friendly and ultimate renewable source of energy for sustainable future.</li> <li>Understanding supercapacitors, helio mirrors, photovoltaic solar cells (PV cells) and fundamentals of their fabrication as future source of energy.</li> <li>Understanding various solar appliances like solar cookers, solar geysers, solar dryers, solar ponds, solar distillation, solar green houses, etc.</li> </ul>	After the successful completion of the course, the students will be acquainted with: The solar energy estimation, solar energy collection techniques and storage techniques. Working and applications of solar photovoltaic (PV) technology and different PV applications. The working principles of several solar appliances like solar cookers, solar hot water systems, solar dryers, solar green houses, solar ponds, etc	80
<b>Mathematics</b>	Computational Mathematics-I	<ul style="list-style-type: none"> <li>To develop problem solving skills</li> <li>To provide basic knowledge of computational mathematics to the students of programmes other than mathematics</li> <li>To provide basic and fundamental knowledge of statistics</li> <li>To make them learn the techniques of handling mathematical related problems</li> <li>To give them a fair knowledge of solving equations, graphs and learning logarithmic "</li> </ul>	"* To develop in students of other streams an understanding of basic mathematics for its application in their respective programmes * To develop in students- computational skills, ability to apply mathematics for better understanding of other subjects * To build mathematical foundations in other disciplines * "	80
<b>Commerce</b>	Computerised Accounting-I	<ul style="list-style-type: none"> <li>The course will enable the students to get acquainted with the knowledge and application of accounting software with special emphasis on latest Tally Prime for maintenance of accounts in business.</li> </ul>	The students will be fully equipped with the tools of latest accounting software and can manage accounts of organisations.	80
<b>Management</b>	Personality Development-I	<ul style="list-style-type: none"> <li>To make the students understand about personality and it's principles and to enrich their knowledge to enhance their employability.</li> </ul>	The students will be able to understand, analyse, develop and exhibit accurate sense of self. Also, they will apply the comprehensive set of skills and knowledge for success in life.	80
<b>English</b>	Creative Writing in English-I	<ul style="list-style-type: none"> <li>To acquaint students with basic concepts of creative writing.</li> <li>To sharpen/polish their writing skills.</li> </ul>	"The learner can write the creative content of different genres like short story, prose writing etc. The learner will be enabled to write for Newspapers, Magazines, Trade Journals and Internet Sites."	160

All the students enrolled under batch - 2022 are to carefully decide about the skill course they want to enrol in after studying the Course objectives and outcomes in detail. Once decided a student will give the choice of courses as per their preference.

**Illustration:**

A student having first preference for Personality Development, second for Food preservation, third for web technologies and fourth for Hydroponics will select them in said order and continue to exhibit preference for remaining courses as well.

College will allot a skill course to a student through an online mechanism strictly as per the merit and intake. Some specific skill courses offered by departments may be disallowed for students of the department on account of overlap/replication and as such those courses will not appear in their choice of skill courses

**Illustration:**

*Students with Major Computer Applications will not be allowed to opt for Web Technologies Skill Course.*

**For online selection of skill courses by students of Semester-I Batch 2022 the following steps are to be taken to select skill course from the above-mentioned skill basket:**

- Login to your student dashboard and navigate to skill selection link
- Make your choices of skill that you wish to take, ensure that you select all the choices that are populated on your console as per your preference.
- Ensure to press submit button.
- You will get an acknowledgment of the choices you have locked/made.
- Allotment to a skill course shall be purely based on merit and choice of the student.
- Ensure to record the allotted skill Course and join classwork as per time table for your allotted skill course.

**Important:**

The portal for allotment of skill courses shall be operational from 02-11-2022, 02:00 p.m onwards to 04/11/2022 upto 4:00 pm. Students are advised to submit their skill course selection within the stipulated time window only failing which the college shall auto allocate skill course to such students who fail the submit their choice for skill course.

The classwork of skill courses shall start from 05/11/2022 with one hour duration.

**Sd/-  
Prof. Sheikh Ajaz Bashir  
Principal**

**No.ICS/2938-41/S-50/S-51**

**Dated:01-11-2022**

Copy to:

- Controller Examination
- All Heads of the Departments.
- Convenor, Admission Committee.
- IT&SS. Record.