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LIST OF COURSES WITH SUBJECT CODES

LIST OF COURSES of B. Sc. 1st Year

| Year | Subject | Course Type | Course Title | Course Code |
|-----------------------------|------------------|-------------|---|-------------|
| B. Sc. 1 st Year | Chemistry | DSC | Atomic Structure, Bonding, General Organic Chemistry & Hydrocarbons | CHEM101TH |
| | | | States of Matter, chemical kinetics & Functional organic chemistry | CHEM102TH |
| | Mathematics | DSC | Differential Calculus | MATH101TH |
| | | | Differential Equations | MATH102TH |
| | Physics | DSC | Mechanics | PHYS101TH |
| | | | Electricity and Magnetism | PHYS102 TH |
| | Zoology | DSC | Animal Diversity | ZOOL101 TH |
| | | | Comparative Anatomy & Developmental Biology of Vertebrates | ZOOL102 TH |
| | Botany | DSC | Biodiversity (Microbes, Algae, Fungi and Archegoniates) | BOTA101 TH |
| | | | Plant Ecology & Taxonomy | BOTA102 TH |
| | Computer Science | DSC | Problem Solving using Computer | COMP101TH |
| | | | Office Automation Tools | COMP102TH |

LIST OF COURSES of B. Sc. 2nd Year

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|-----------------------------|------------------|-----|---|------------|
| B. Sc. 2 nd Year | Chemistry | DSC | Solutions, Phase Equilibrium, Conductance, Electrochemistry & Organic Chemistry | CHEM201TH |
| | | | Chemistry of main group element, chemical Energetics, and Equilibrium | CHEM202TH |
| | | SEC | Basic Analytical Chemistry | CHEM203 TH |
| | | | Fuel Chemistry & Chemistry of Cosmetics and Perfumes | CHEM204 TH |
| | Mathematics | DSC | Real Analysis | MATH201TH |
| | | | Algebra | MATH202TH |
| | | SEC | Integral Calculus | MATH309TH |
| | | | Vector Calculus | MATH310TH |
| | Zoology | DSC | Physiology & Biochemistry | ZOOL201 TH |
| | | | Genetics & Evolutionary Biology | ZOOL202 TH |
| | | SEC | Medical Diagnostics | ZOOL203 TH |
| | | | Apiculture | ZOOL204 TH |
| | Botany | DSC | Plant Anatomy & Embryology | BOTA201 TH |
| | | | Plant Physiology & Metabolism | BOTA202 TH |
| | | SEC | Bio fertilizers | BOTA203 TH |
| | | | Gardening & Floriculture | BOTA204 TH |
| | Physics | DSC | Statistical Thermal Physics | PHYS201 TH |
| | | | Waves and Optics | PHYS202 TH |
| | | SEC | Physics Workshop Skills | PHYS203 TH |
| | | | Electrical Circuits and Network Skills | PHYS205 TH |
| | Computer Science | DSC | Computer System Architecture | COMP201TH |
| | | | Database Management System | COMP202TH |
| | | SEC | PHP Programming | COMP203TH |
| | | | Computer Networks | COMP204TH |

LIST OF COURSES of B. Sc. 3rd Year

| | | | | |
|--------------------------------|------------------|-------------------------|---|--------------|
| B. Sc. 3rd Year | Botany | DSE | Economic Botany & Biotechnology | BOTA-301 TH |
| | | | Cell and Molecular Biology | BOTA-303 TH |
| | | SEC | Medicinal Botany and Ethno botany | BOTA-306 TH |
| | | | Mushroom Cultivation Technology | BOTA307 TH |
| | Chemistry | DSE | Polynuclear Hydrocarbons, Dyes, Heterocyclic compounds, Spectroscopy (UV, IR, NMR) | CHEM301 TH |
| | | | Chemistry of Transition & Inner Transition Elements, Coordination Chemistry, Organometallics, Acids & Bases | CHEM304 TH |
| | | SEC | Chemical Technology & Society & Business skills for Chemistry | CHEM307TH |
| | | | Pesticide Chemistry & Pharmaceutical Chemistry | CHEM308 TH |
| | Mathematics | DSE | Matrices | MATH301TH |
| | | | Numerical Method | MATH304TH |
| | | SEC | Probability And Statistics | MATH313TH |
| | | | Transportation And Game Theory | MATH317TH |
| | | GE | Portfolio optimization | MATH319TH |
| | | | Queuing and reliability theory | MATH320TH |
| | | | Descriptive statistics and probability theory | MATH321TH |
| | | | Sample surveys and design of experiments | MATH322TH |
| B.Sc. 3rd Year | Physics | DSE | Elements of Modern Physics | PHYS301TH |
| | | | Nuclear and particle physics | PHYS304TH |
| | | SEC | Radiation safety | PHY307TH |
| | | | Renewable energy & energy harvesting | PHY310TH |
| | Zoology | DSE | Animal Bio-technology | ZOOL301(B)TH |
| | | | Reproductive Biology | ZOOL302(C)TH |
| | | SEC | Sericulture | ZOOL303TH |
| | | | Aquarium fish keeping | ZOOL304TH |
| | Computer Science | DSE2A Choose any one | Operating System | COMP301TH |
| | | | Computer Graphics | COMP305TH |
| | | | Programming in Java | COMP306TH |
| | | DSE2B Choose any one | Data Structure and File Processing | COMP302TH |
| | | | Project Work | COMP303TH |
| | | | Web Technologies | COMP304TH |
| | | SEC | Multimedia and Applications | COMP307TH |
| | | | Software Engineering | COMP308TH |

ARTS AND COMMERCE 1ST YEAR

| Subject | Subject Title | Course Code | Course Type |
|-----------------------------------|---|-------------|-------------|
| B. Com 1st year | Financial Accounting | BC 1.1 | DSC |
| | Business Organization & Management | BC 1.2 | DSC |
| | Business Law | BC 1.3 | DSC |
| | Business Statistics & Mathematics | BC 1.4 | DSC |
| Economics | Principles of Micro Economics-I | ECONA101 | DSC |
| | Principles of Micro Economics-II | ECONA102 | DSC |
| English | English-I Core ENGLISH | ENG CE 101 | CC |
| | English Literature- 1 (Essays, Stories & Poems) | ENG DSC 102 | DSC |
| | English Literature- 2 (Poems, Short Stories & Essays) | ENG DSC 103 | DSC |
| | English (Writing Skills) | ENGAECC104 | AECC |

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|--------------------|--|---|--------------------------|
| Geography | Physical Geography General Cartography | GEOGP101CC GEOGP102CC | DSC DSC |
| Hindi | हिन्दी साहित्य का इतिहास मध्यकालीन हिन्दी कविता प्रयोजनमूलक हिन्दी | HIND102 HIND103 HIND101 | DSC DSC MIL |
| History | History of India from Earliest times up to 300 CE History of India from 300 to 1206 | HIST(A)101 HIST(A)102 | DSC DSC |
| Music | Theory of Indian Music Practical Theory of Indian Music General & Biographies Practical (Viva-Voce) | MUSA101 TH MUSA102PR MUSA103TH MUSA104PR | DSC DSC DSC DSC |
| Phy. Edu. | Introduction to Physical Education Olympics moment & organizations of Tournaments | PED101TH PED102TH | DSC DSC |
| Pol.Science | Introduction to Political Theory Indian Government and Politics | POLS101 POLS102 | DSC DSC |
| Sanskrit | संस्कृत काव्य संस्कृत गद्य काव्य नीति साहित्य | SKT-DSC101 SKT-DSC102 SKT-DSC103 | DSC DSC MIL |
| Sociology | Introduction to Sociology Society in India | SOCL101 SOCL 102 | DSC DSC |

ARTS AND COMMERCE 2ND YEAR

| Subject | Subject Title | Course Code | Course Type (DSC/AECC/SEC /DSE) |
|------------------|---|--|---|
| B. Com | Company Law Income Tax Law and Practice. Computer Application in Business Corporate Accounting Cost Accounting E-Commerce | BC2.1 BC2.2 BC2.3 BC2.4 BC2.5 BC2.6 | DSC DSC SEC DSC DSC SEC |
| English | English-2 Core English British Literature Literary Cross Currents Creative Writing Book Translation Studies & Principals of Translation | ENGCE-201 ENGDSC-202 ENGDSC-203 ENGAECC/SEC204 ENGAECCSEC205 | DSC DSC DSC AECC/SEC AECC/SEC |
| Economics | Principles of Macro Economics-I Principles of Macro Economics-II Economics of Rural Development Demography | ECONA201 ECONA202 ECONA204 ECONA206 | DSC DSC SEC SEC |
| Geography | Human Geography Environmental Geography Regional Planning and development Remote Sensing & GPS | GEOGP201CC GEOGP202CC GEOGP203SEC GEOGP204 SEC | DSC DSC SEC SEC |
| Hindi | 1. रचना पूज 2. आधुनिक हिन्दी कविता 3. हिन्दी गद्य साहित्य 4. कार्यालयी हिन्दी 5. आनुवाद विज्ञान | HIND 201 HIND 202 HIND 203 HIND 204 HIND 206 | MIL DSC DSC SEC SEC |
| History | History of India from 1206-1707 History of India from 1707-1950 Historical Tourism: Theory and Practice Indian History and Culture | HIST203 HIST204 HIST217 HIST219 | DSC DSC SEC SEC |

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|--------------------|--|---|--|
| MUSIC | Ancient Granthas & Contributions. Practical(Stage Performance) Medieval Granthas & Contributions. Practical Viva-Voce Practical (Value based course) Practical (Value based course) | MUSA201 TH MUSA202PR MUSA203TH MUSA204PR MUSA205PR MUSA206PR | DSC DSC DSC DSC SEC SEC |
| Phy. Educ | Human Anatomy & Physiology Sports Psychology Sports, Medicine, Physiotherapy & Rehabilitation Sports Trainings | PED201TH PED202TH PED203TH PED204TH | DSC DSC SEC SEC |
| Pol.Science | Comparative Govt. & Politics Introduction to International Relations Legislative Support Public opinion and survey Research | POLS201 POLS202 POLS203 POLS204 | DSC DSC SEC SEC |
| Sanskrit | 1. <u>संस्कृत नाटक</u> 2. <u>संस्कृत व्याकरण</u> 3. <u>आयुर्वेद के मूल सिद्धान्त</u> 4. <u>संस्कृत छन्द एवं गायन</u> | SKT-DSC-201 SKT-DSC-202 SKT-AEEC-205 SKT-AEEC-206 | DSC DSC SEC SEC |
| Sociology | Sociological Theories Method of Sociological Enquiry Techniques of Social Research Sociology of Environment | SOCL-A201 SOCL-A202 SOCL-A203 SOCL-A204 | DSC DSC SEC SEC |

ARTS AND COMMERCE 3RD YEAR

| Subject | Subject Title | Course Code | Course |
|------------------|---|--|--|
| B. Com | Human Resource Management Fundamentals of Financial Management Management Accounting International Business Entrepreneurship Personal Selling & Salesmanship Principles of Micro Economics Indian Economy | BC 3.1A BC 3.2A BC 3.5C BC 3.6A BC 3.3 BC 3.7 BC 3.4 BC 3.8 | DSE DSE DSE DSE SEC SEC GE GE |
| Economics | Research Methodology Money and Banking Development Economics International Economics Indian Economy Economic History of India 1857-1947 Indian Economy Economy of Himachal Pradesh | ECONA309 ECONA311 ECONA305 ECONA306 ECONA301 ECONA302 ECONA314 ECONA313 | SEC SEC DSE DSE DSE DSE GE GE |
| English | Soft Skills Academic Writing and Composition Technical Writing Business Communication Literature from Himachal Contemporary India: Women and Empowerment | ENG 303 ENG 304 ENG 301 ENG 302 ENG 305 ENG 306 | DSE DSE AEEC/ SEC AEEC/ SEC |
| Geography | Geography of India Economic Geography Disaster management Geography of Tourism Field Techniques & survey-based project report Geographic Information System Disaster Risk Reduction Sustainability & Development | GEOGP303 GEOGP303 GEOGP304 GEOGP304 GEOGP302 GEOGP301 GEOGP305 GEOGP306 | DSE DSE DSE DSE SEC SEC GE GE |

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|---------------------|---|--|---|
| History | Modern and contemporary world History-I 1871-1919 Modern and contemporary world History-II 1919-1992 History of Himachal Pradesh 1815-1972 Socio Religious reform movements in India Indian History and culture Introduction to Indian Art | HIST305 HIST307 HIST312 HIST310 HIST317 HIST319 | DSE DSE GE GE SEC SEC |
| Hindi | रंग आलेख एवं रंगमंच अथवा भाषा कम्प्यूटिंग समाचार संकलन और लेखन लोक साहित्य— छायावादोत्तर हिंदी कविता | HIND 301 HIND 304 HIND 305 HIND 306 | SEC SEC DSE DSE |
| Pol. Science | Themes in Comp. Pol. Theory Democracy & Governance Democratic Awareness Through Legal Literacy Conflict & Peace building Society, Economy and Politics in Himachal Pradesh Human Rights, Gender and Environment | POLS301 POLS302 POLS303 POLS304 POLS305 POLS306 | DSE DSE SEC SEC GE GE |
| Music | Value-based & Practical Oriented Course for Hindustani Music (Vocal/Inst)-III Value-based & Practical Oriented Course for Hindustani Music (Vocal/Inst)-IV Theory of Indian Music and Study of Ancient Granth & Ragas (Vocal/Inst) Stage Performance Theory of Indian Music and Gharana Tradition Viva Voce Theory of Indian Music (Vocal/Inst) Practical (Vocal/Inst) | MUSA301PR MUSA302PR MUSA303TH MUSA 304PR MUSA305TH MUSA 306PR MUSA307TH MUSA308PR | SEC SEC DSE DSE DSE DSE GE GE |
| Phy. Edu. | Specialization in Volley Ball Specialization in Football Specialization in Kabaddi Specialization in Athletics Recreation Methods of Teaching in Physical Education Officiating and Coaching Health Education and Nutrition Yoga | PED301PR PED302PR PED303PR PED304PR PED305TH PED307TH PED308TH PED309TH PED310TH | SEC SEC SEC SEC DSE DSE DSE GE GE |
| Sanskrit | 1. व्यक्तित्व विकास का भारतीय दृष्टिकोण 2. साहित्यिक समालोचना 3. पातञ्जल योगसूत्र 4. भाषा विज्ञान के मूलभूत सिद्धान्त 5. भारतीय रंगशाला 6. भारतीय वास्तुशास्त्र | SKT-DSE- 301 SKT-DSE- 302 SKT-DSE- 303 SKT-DSE- 304 SKT-AEEC/SEC-305 SKT-AEEC/SEC-306 | DSE DSE GE GE SEC SEC |
| Sociology | Social Demography Theory and Practice of Development Marriage, family & Kinship Social Stratification Economy and Society | SOCL-A-301 SOCL-A-302 SOCL-A-304 SOCL-A-305 SOCL-A-308 | SEC SEC DSE DSE GE |

* DSC- Discipline Specific Core Courses, DSE- Discipline Specific Elective, SEC- Skill Enhancement Course, GE- Generic Elective.

Students with the following DSC-I (Major) subject will study given below Generic Elective Courses in B. A. 3rd Year.

| DSC – I / Major Subject(s) | Generic Elective Subjects |
|---|----------------------------------|
| English, Physical Education, Economics , Political Science (without Hindi and Sociology Minor) | Sociology |
| Sociology, Hindi, Political Science (with Sociology minor and Hindi Minor) | Music |
| Sanskrit, Geography, Music, BA Mathematics | Political Science |
| History, Hindi, Music | Physical Education |
| B. Com. 3 rd Year (Commerce) | Economics |

Subject combinations mentioned above are tentative & subject to change as per the situation.

LIST OF COURSES WITH SUBJECT CODES FOR B. VOC.

| Subject - B. Voc. (Retail Management) | | | |
|---|-----------|--------------|--|
| NSQF Level | Component | Subject Code | Course Title |
| 4 Retail Team Leader | General | RA 111 | Business Communication and Personality Development-1 |
| | | RA112 | Fundamentals in Accounting and Technology (Computer Skills-I) |
| | Skills | RA121 | Product Display, Visual Merchandising, Health & Safety |
| | | RA122 | Work Management and effective Communication |
| | | RA123 | Customer services and Sales |
| | | RA124 | Internship Project |
| 5 Department Manager | General | RA 211 | Business Communication and Personality Development-II |
| | | RA212 | Fundamentals in Accounting and Technology (Computer Skills-II) |
| | Skills | RA221 | Retail Store Operations |
| | | RA222 | Team Leadership |
| | | RA223 | Retail Service & Managing Budgets |
| | | RA224 | Internship Project |
| 6 Business Leader /Multi-outlet Retailer | General | RA311 | Communicative English |
| | | RA312 | Stores Operations & Supply Chain Management |
| | | RA411 | Environment Science |
| | | RA412 | Human Resource Management |
| | Skills | RA321 | Customer Needs & Financial Operations |
| | | RA322 | Legal Aspects & Team Dyanamics |
| | | RA421 | Managing Inventory & Marketing |
| | | RA422 | Relationship with Vendors & Manpower Planning |
| 7 Store Manager | General | RA511 | Marketing Management |
| | | RA512 | Business Statistics |
| | | RA611 | Ethics & Corporate Social Responsibility |
| | | RA612 | Retail Environment |
| | Skills | RA521 | Retail Store Operations & Sales |
| | | RA522 | Process Compliance and Safety & Security |
| | | RA524 | Store Manager & Market Study |
| | | RA622 | Internship Project |
| Subject - B. Voc. (Hospitality & Tourism) | | | |
| NSQF Level | Component | Subject Code | Course Title |
| 4 Guest Service Associate | General | TH112 | Learning a Foreign or Local Language including English |
| | | EN111 | Introduction to Tourism Aviation, Hospitality Industry |
| | Skills | TH121 | Introduction to Front Office & Maintaining Effective Communication |
| | | TH122 | Basic Health Standards & Guest Handling |
| | | TH123 | Front Office Activities |
| | | TH124 | Internship Project |
| 5 | General | EN211 | Tourism Products |

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|-------------------------|----------------|-------|--|
| Guest Service Executive | Skills | TH212 | Communicative English for Tourism and Hospitality |
| | | TH221 | Guest Service, Health Hygiene & Safety Standards |
| | | TH222 | Handling Complaints & Guest Privacy |
| | | TH223 | Cashiering Activities |
| | | TH224 | Internship Project |
| 6 Duty Manager | General | TH311 | Basic of Tourism Research |
| | | TH312 | Basic of Tourism Management |
| | | TH313 | Travel Agency Management and Operations |
| | | TH314 | Environmental Science |
| | Skills General | TH321 | Monitoring Front Office Activities & Guest Experiences |
| | | TH322 | Managing Financial & Administrative Aspects of Business |
| | | TH323 | Service Standards, Communication & Maintaining Health & Safety and Guests' privacy |
| 7 Front Office Manager | General | TH511 | Travel Geography |
| | | TH512 | Itinerary Preparations |
| | | TH513 | Entrepreneurship in Tourism & Hospitality Industry |
| | | TH514 | Introduction to Tourism Marketing |
| | Skills | TH521 | Introduction to Front Office Manager and Health & Safety Standards |
| | | TH522 | Front Office Management and Operations |
| | | TH523 | Budget & Report Preparations and Communication Skills & Guest Privacy |
| | | TH621 | Internship Project |