(By e-mail)

No. 8094 (A) / Acd. -I

Dated: 25/9/24

To

The Chairman of the BOS/ HODs, Nodal Centre/ members of the BOS.

Sub: The meeting of the **BOS** on Implementation of the **National Educational Policy (NEP)-2020.**

Sir/Madam,

I am directed to intimate you that the revised meeting of the Board of Studies regarding **National Education Policy (NEP)-2020,** for different subjects for the session 2024-25 is scheduled to be held from **07.10.2024** to **28.10.2024** through hybrid mode using Google meet. The Chairman of BOS along with HOD of the Nodal Centre of concerned subjects will jointly convene the said meeting at the conference hall of the COE unit along with other members by online mode.

The google meet link may also be shared with all principals and the relevant faculty members of concerned subject to participate for preparing the course structure with syllabus.

The implementation of the **National Education Policy (NEP)-2020,** 3/ 4 years for UG from the session 2024-25, the Board of Studies need to design a proper course structure with syllabus by coordination/discussion with members. After completion, the corresponding documents along with the proceeding of the said meeting need to submit the office for approval. The tentative date for the Academic Council meeting is 30th October 2024.

The Chairman of the BOS/ HODs, Nodal Centre/ members of the BOS are directed to prepare the proper course structure with syllabus of concerned subjects according to the NEP-2020 guidelines with combination of **Core course, AEC, SEC, Multi-Disciplinary, VAC & Vocational courses.**

The BOS are mandatory to select 03 subjects out of concerned basket of subjects and prepare the syllabus along with **Paper Setters, Examiners** and **Moderator.**

The chairman of the BOS is requested to submit the corresponding documents both in hard copy & soft copy to bosacademic@gmail.com.

| SI No. | Date | Link 1: 11 a.m. to 12 p.m. | Link 2: 12 p.m. to 1.00 p.m. | Link 3: 3 p.m. to 4 p.m. |
|--------|------|----------------------------|------------------------------|--------------------------|
| 1. | 07.10.2024 | Botany | Anthropology | Commerce |
| 2. | 08.10.2024 | Chemistry | Economics | BB.A (Management) |
| 3. | 22.10.2024 | BCA (Computer Science) | Education | Odia |

| | | | | |
|---|---|---|---|---|
| 4. | 23.10.2024 | Geology | English | Political Science |
| 5. | 24.10.2024 | Home Science | Geography | Psychology |
| 6. | 25.10.2024 | Library Info. Sc. | Hindi | Sanskrit |
| 7. | 28.10.2024 | Physics | History | Sociology |
| 8. | 29.10.2024 | Zoology | Home Science | Statistics |
| 9. | | | | |

By order of Vice-Chancellor

Controller of Examinations

Memo No. 8094 (B) /Acd. -I

Date: 25/9/24

**Copy forwarded for information and necessary actions to: -**

The Principals of affiliated Colleges under the Sambalpur University with a request to circulate the notification and allow the faculty members of concerned subjects to attend the meeting on online mode of respective BOS for the purpose.

Controller of Examinations

Memo No. 8094 (C) /Acd. -I

Date: 25/9/24

**Copy forwarded for information and necessary actions to: -**

1. The Chairman, P.G. Council, Sambalpur University.
2. The Director, e-Governance with a request to upload in the University Website.
3. The all Heads of P.G Departments/ Principals, all affiliated College under Sambalpur University.
4. The Secretary to Vice-Chancellor, Sambalpur University.
5. The P.A. to the Registrar/Controllers of Examinations, Sambalpur University.
6. The Asst. Controller (General) & (Professional).
7. The Programmer Computer Unit, Sambalpur University.
8. The Section Officer E.G/ E.C (Professional & General), Sambalpur University.
9. The Co-odinator Private Cell/ the Director, Distance Education, Sambalpur University
10. (02) spare copies to Academic-I Section, Sambalpur University.

Controller of Examinations

The following shall be the types of courses as per UGC Guideline, the BOS is mandatory to prepare the course structure of the concerned subjects accordingly.

- ➤ **Core I** (Major/Hons)
  - • **Core II** (Minor/Pass)
  - • **Core III** (Minor/.Pass)
- ➤ **Ability Enhancement Course**
- ➤ **Skill Enhancement Course**
- ➤ **Multi-Disciplinary Course**
- ➤ **Value Added Course**
- ➤ **Vocational Course**

### **List of Multidisciplinary Courses for Model Curriculum.**

Note: The Board of Studies in (_____) will select any 03 subjects in the following basket.

| Sl No. | Multidisciplinary Courses |
|---|---|
| 1. | Medical Biotechnology & Molecular Diagnostics |
| 2. | Bio recourse Technologies and Bio Product |
| 3. | Nano Biotechnology |
| 4. | Medical biotechnology and molecular diagnostics |
| 5. | Oceanography |
| 6. | Climatology |
| 7. | Geo informatics |
| 8. | Financial literacy |
| 9. | Indian Economy and society |
| 10. | Entrepreneurship Development |
| 11. | Social Psychology |
| 12. | Educational Psychology |
| 13. | Health Psychology |
| 14. | Vedic Culture |
| 15. | Ethical Literature |
| 16. | Bharatia-Jnana-Parampara ( Indian Knowledge System) |
| 17. | Philosophy of Bhagavad Gita |
| 18. | Peace and Conflict Studies |
| 19. | Basic of Public Administration |
| 20. | Development Administration |
| 21. | Public Policy |
| 22. | Crime and Society |
| 23. | Population and Society |
| 24. | Science, Technology and Society |
| 25. | Sociology for Social Workers |
| 26. | Psychology for Social Workers |
| 27. | Economics for Social Workers |
| 28. | Law for Social Workers |
| 29. | Anthropology for Social Workers |
| 30. | Economics |
| 31. | Fundamentals of Entrepreneurship and E-Commcerce |
| 32. | Entrepreneurship Development and Strat-up |
| 33. | Business Model Innovation |

| | |
|---|---|
| 34. | Vector Borne Diseases and Epidemiology |
| 35. | Vermitechnology/ Apiculture/ Sericulture/ Lac Culture/ Sustainable Eco-tourism ( Any one to offered depending on the expertise available a College/University) |
| 36. | Environmental Impact Assessment and Environmental Management plant (EIV and EMP) |
| 37. | Environmental Microbiology |
| 38. | Management of Human Microbial Disease |
| 39. | Bio fertilizers and Bio pesticides |
| 40. | History of Science, Technology, and medicine in India (HISTM) |
| 41. | History of Environmental and Ecology in Modern India |
| 42. | History of Education in Modern India |
| 43. | Gardening and Vermicomposting |
| 44. | Herbarium Preparation |
| 45. | Tissue Culture of Plants |
| 46. | Physics |
| 47. | Mathematics for Computer Science |
| 48. | Operation Research |
| 49. | Political Process in India |
| 50. | Organizational Behaviour |
| 51. | Elements of Economics |
| 52. | Food and Nutrition Child Devlopment |
| 53. | Family Resource and Management |
| 54. | Hindi Sahityik Patrakarita |
| 55. | Vigyapan: Abdharana Aur Prayojanmulak Aayam |
| 56. | Hindi Sahitya Aur Cienema |
| 57. | Gender, Environment and Climate Change |
| 58. | Gender and Health |
| 59. | Gender and Education |
| 60. | Human Rights Education |
| 61. | Environmental Education |
| 62. | Historical Bases of Indian Education |
| 63. | Educational Thinker of Modern India |
| 64. | Computer fundamental |
| 65. | Introduction to Web Technologies |
| 66. | Internet and Ethical Practices |
| 67. | Nano Materials and Applications |
| 68. | Bio Physics |
| 69. | Introduction to Spectroscopy |
| 70. | Environmental Issue and Challenges |
| 71. | Waste Management |
| 72. | Eco-Tourism |
| 73. | Human Rights |
| 74. | Gandhi and Ambedkar A Comparative e-study |
| 75. | Gender and Politics |
| 76. | Media and Information Literacy |
| 77. | Media, Culture & Society |
| 78. | Media,Conflicts and Disasters |
| 79. | Principles of Human Resource Management |
| 80. | Green Human Resource Management |
| 81. | Corporate Social Responsibility |
| 82. | Discrete Mathematics |

| 83. | Linear Programming Problem |
|---|---|
| 84. | Programming C++ |
| 85. | Mathematical Modelling |
| 86. | Mathematics Finance |
| 87. | Numerical Methods |
| 88. | Introduction Programming with MATLAB |
| 89. | Introduction to Machine Learning |
| 90. | Statistical Methods for Scientists and Engineers (Nptel) |
| 91. | Survival Analysis and Biostatistics |
| 92. | Applied Multivariate Statistical Modelling (Nptel) |
| 93. | Probability and Stochastics for Finance (Nptel) |
| 94. | Machine Learning |
| 95. | Library and Society |
| 96. | Management of Libraries |
| 97. | Library Resource and Services |
| 98. | Indian Systems of Health and Wellness |
| 99. | Media Literacy and Critical Thinking |
| 100. | Indian Systems of Health and Wellness |
| 101. | Biochemistry |
| 102. | Environmental all Chemistry |
| 103. | Biophysical Chemistry |
| 104. | Tulanatmaka Sahitya |
| 105. | Bijyan Bisaya O Sahitya |
| 106. | Kala Bisaya O Sahitya |
| 107. | Sustainable Tourism |
| 108. | Demography/EIA |
| 109. | Monitoring and Evaluation of Development Programs |

## 03 Selected Subjects from the Multi-disciplinary course:

| 1. | |
|---|---|
| 2. | |
| 3. | |

# List of Vocational Courses for Model Curriculum

Note: The Board of Studies in (_____) will select any 03 subjects of the following basket.

| Sl.No. | Vocational Courses |
|--------|--------------------|
| 1. | Geological Mapping and Cartography |
| 2. | Exportation Geochemistry |
| 3. | Education in Early Childhood |
| 4. | Psychological Testing |
| 5. | Applied Ethics-medical Ethics and Laws |
| 6. | Applied Ethics-Cyber Ethics |
| 7. | Applied Ehics-Media Ethics and Laws |
| 8. | Social Impact Assessment Study |
| 9. | Cyber Laws |
| 10. | Microbial World |
| 11. | Fundamentals of Horticulture |
| 12. | Plant Propagation |
| 13. | Applied Microbiology |
| 14. | Biotechnology and Instrumentation |
| 15. | Nursery Management |
| 16. | Environmental of Horticulture |
| 17. | Environmental Monitoring |
| 18. | Floriculture |
| 19. | Environmental Conservation |
| 20. | Plant tissue culture |
| 21. | Management of Horticultural Crops |
| 22. | Generic Engineering |
| 23. | Cultivation of medical, aromatic and spice plant crops |
| 24. | Recombinant DNA technology |
| 25. | Generic Transformation of Plants |
| 26. | Bioinformatics |
| 27. | Microbial Biotechnology |
| 28. | Biostatistics |
| 29. | Methods in molecular biology |
| 30. | Microbial world |
| 31. | Fundamental of Horticulture |
| 32. | Plant Propagation |
| 33. | Applied microbiology |
| 34. | Biotechnology and Instrumentation |
| 35. | Nursery Management |
| 36. | Environmental Microbiology |
| 37. | Environmental Monitoring |
| 38. | Floriculture |
| 39. | Environmental conservation |
| 40. | Plant tissue culture |

**03 Selected Subjects from the Vocational Course:**

| | |
|---|---|
| 1. | |
| 2. | |
| 3. | |

# Value Added Course under Model Curriculum

Note: The Board of Studies in (_____) will select any 03 subjects of the following basket.

| Sl.No. | VAC |
|---|---|
| 1 | Environmental Studies & Disaster Management |
| 2 | Ethics & Values |
| 3 | Contemporary Cross Cutting Issues |
| 4 | Yoga for all |
| 5 | Understanding India |
| 6 | Understanding Odisha |
| 7 | Management Concepts and Practices |
| 8 | Operation Research |
| 9 | Organizational Behaviour |
| 10 | Research Methodology |
| 11 | Revised Indian Society |
| 12 | Anthropology Fieldwork Ethics |
| 13 | Museum Management |
| 14 | Molecular Biology and Bioinformatics for the beginner |
| 15 | Anthropology Fieldwork Ethics |
| 16 | Bio analytical tool |
| 17 | Ethnophramacology |
| 18 | Integrated Omics |
| 19 | Molecular diagnostics |
| 20 | Geological Mapping & Cartography |
| 21 | Exploration Geochemistry |
| 22 | Education in early Childhood |
| 23 | Psychological Testing |
| 24 | Karmakandam |
| 25 | Human Health and Yogic Science |
| 26 | Gandhian Applied Philosophy |
| 27 | Moral Dimension of Environmental Issues |
| 28 | Kautilya's Philosophy and Political Thought |
| 29 | Social Statistics and Computer Application |
| 30 | Climate Change and Disaster Risk Reduction |
| 31 | Digital Fluency |
| 32 | Intellectual Property Rights (IPR) |
| 33 | Protein Separation Techniques |
| 34 | Microbes and Environment |
| 35 | Biodiversity and Conservation |
| 36 | Microbes and Environment |
| 37 | Preschool and Crèche Management |
| 38 | Food Preservation And Processing |
| 39 | Geriatric Care and Management |
| 40 | Ethical Practices and Education |
| 41 | Economics of Education |
| 42 | Basic Understanding of Molecular Dynamic |
| 43 | Conceptual Understanding of Statistical Mechanics |
| 44 | Conceptual Understanding of Different Input script in Molecular |
| 45 | Basic Understanding of Density Functional theory |
| 46 | Land Degradation and Desertification |

| 47 | Creative Writing |
|----|------------------|
| 48 | Environmental Journalism |
| 49 | Sports Journalism |
| 50 | Citizen Journalism |
| 51 | Odia Journalism |
| 52 | Corporate Training and Development |
| 53 | Entrepreneurship and Start-up |
| 54 | Scilab |
| 55 | Sagemath |
| 56 | Maple |
| 57 | Mathmetica |
| 58 | Environmental Science and Sustainability |
| 59 | Indian Constitution |
| 60 | Yoga/Sports/NCC/NSS/Disaster Management |
| 61 | Business Environment and Public Policy or International Business or Geo Politics and impact on Business or Public Health and Management |
| 62 | Nanomaterial and Nanotechnology |
| 63 | Shri Jagannath Sanskruti |
| 64 | Adibasi Sanskruti |
| 65 | Odishara Sanskrutika Parichaya |

## 03 Selected Subjects from the Value added course:

| 1. | |
|----|---|
| 2. | |
| 3. | |

# Skill Enhancement Courses under Model Curriculum

Note: The Board of Studies in (_____) will select any 03 subjects in the following basket.

| Sl No. | SEC |
|--------|-----|
| 1. | Analytical Thinking and logical reasoning |
| 2. | Introduction to Statistics and data analyses |
| 3. | Sports Anthropology |
| 4. | Visual Anthropology |
| 5. | Experimental Archaeology |
| 6. | Scientific writing in Anthropology |
| 7. | Forensic Anthropology |
| 8. | Plant tissue culture/ Marine Biotechnology/ Computational Biology |
| 9. | Mapping & Surveying |
| 10. | Digital Cartography |
| 11. | Data Analytics I |
| 12. | Data Analytics II |
| 13. | Understanding and managing Self |
| 14. | Psychological First Aid |
| 15. | Computer Application |
| 16. | Ayurveda and Vrksayurveda |
| 17. | Yoga in everyday life |
| 18. | Philosophical Counselling |
| 19. | Personality Development |
| 20. | Corporate Communication |
| 21. | Secretarial Practices |
| 22. | Sociology Of Disaster Resilience and Recovery |
| 23. | Doing Ethnography |
| 24. | Working with Individuals |
| 25. | Working with Groups |
| 26. | Working with Communities |
| 27. | Legal in Drafting |
| 28. | Fundamentals of Data Science and Data Management |
| 29. | Income Tax e-Return Filing |
| 30. | Introduction to Financial Technology (Fin-Tech) |
| 31. | Fermentation Technology and Industrial Enzymes |
| 32. | Molecular Diagnostics |
| 33. | Bood Fermentation Techniques |
| 34. | Microbial Diagnosis in Health Clinics |
| 35. | Basics of Museum & Archives |
| 36. | Historian's Craft |
| 37. | Terjuma Nigari |
| 38. | Urdu Sahafat |
| 39. | Bio fertilizers |
| 40. | Nursery & Gardening |
| 41. | Soilless Cultivation |
| 42. | Organic Farming |
| 43. | Ethno Botany |
| 44. | Mushroom Cultivation |

| 45. | Tissue Culture & Plant regeneration |
| --- | --- |
| 46. | Vermicomposting |
| 47. | Business Intelligence with Power BI |
| 48. | VB.NET |
| 49. | Hindi Anuprayog: Takaniki Sansadhan Evam Upakaran |
| 50. | Gender Sensitization and Resolving Gender Conflict |
| 51. | Gender Entrepreneurial skill for Tourism and Hospitality |
| 52. | Life Skill Education |
| 53. | Peace education |
| 54. | Art and Craft Education |
| 55. | Computer Application in Teaching Learning Process |
| 56. | Advanced Python Programming |
| 57. | Principles of Management |
| 58. | Renewable energy and energy harvesting |
| 59. | Applied Optics and Photonics |
| 60. | Monitoring Soil Quality |
| 61. | Monitoring water Quality |
| 62. | Carbon footprint and water Footprint |
| 63. | Political Journalism |
| 64. | Election Studies and Public Opinion Poll |
| 65. | Data Journalism |
| 66. | Podcasting |
| 67. | Project Management |
| 68. | Time management and Productivity Improvement |
| 69. | Type setting in latex |
| 70. | Programming with Mathematics |
| 71. | Introduction to Python |
| 72. | Communication Skill for Library Professional |
| 73. | Online Search Strategies and Techniques |
| 74. | Emerging Technologies and application |
| 75. | Management Information System (MIS) |
| 76. | Enterprise System and platforms |
| 77. | Design Thinking and Innovation |
| 78. | Computational chemistry |
| 79. | Cosmetic and pharmacological chemistry |
| 80. | Corrosion and Prevention |
| 81. | ଅନୁବାଦ ସାହିତ୍ୟ |
| 82. | ଗଣମାଧମ ଓ ଗଣଯୋଗାଯୋଗ |
| 83. | Open Source GIS |
| 84. | Principles of Management/ Qualitative Methods for Geographical Analysis |

## 03 Selected Subjects from the Skill Enhancement Course:

| 1. | |
| --- | --- |
| 2. | |
| 3. | |