30-05-2022

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Proceedings of the 7th Academic Concil of the college held on 30th May, 2022 at 10:30 am in the college Conference Hall with Dr. S. Ranjit Singh, Principal in the chair to discuss and transact the following agenda:

1. Ratification of the previous Meeting's resolutions and Action Taken Report.

2. Choice Based Credit System (CBCS) Honours Syllabus of 13 subjects for 2nd and 3rd Year submitted by the 13 Departments' Board of Studies for approval by the Academic Concil.

3. Resolutions of Academic Planning and Development Committe regarding introduction of 4 Year UG Programme for Arts and Science in the college from the next academic session 2022-23 as part of the implementation of NEP 2020, seeking approval of the Academic Council.

4. Miscellaneous if any, with the permission of the chair.

Members present :- Name	Signature	Mob. Nos.
1.		
2. Dr. L. Shantikumari Devi		9774802420
3. Padmaja Sanjenbam		8131921748
4. Th. Rebekah Devi		8575091405
5. Dr. G. Ranita Devi		9774465629
6. S. Sivarajan Singh		9612905231

7. M. Subadani Devi. Mubadani. 9436204822.

8. L. Ibani Devi. Ibani 9383217002
9. Md. Ashraf Ali. Ashraf 8787449035
10. Md. Yusuf Ali 7005840039
11. R. K. Jeremison 9612272745
12. Samir Debnath 8731017644
13. H. Ibomcha Singh. 7085566256
14 S. Nabad Arif 9862276653
15. M. Lokendra Singh 9612155725
16. L. Mani Singh 9402880647
17. Ksh. Satyabala Devi 7085936082
18. Ch. Sobhal Meitei, Mr 9436033967
19. T. Indrabala Sh. 9436273140
20. Sachidananda Angom 8131896979.
21. T. Yumjao Babu Singh 9436025126.

The meeting began with an opening note by Smt Ksh. Satyabala Devi, Member Secretary, Academic Council of the college. She elaborated upon different aspects of the agenda items minutely and took up each item for detailed discussion. After threadbare discussion on different items of the agenda, the following resolutions were unanimously adopted.

1. Resolved to confirm the resolutions adopted in the 6th Academic Council meeting held on 6th February, 2021.

2. Resolved to approve the Choice Based Credit System (CBCS) Honours curriculum and syllabi of 13

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subjects for 2nd & 3rd year submitted by the Board of Studies of 13 Departments and CBCS Steering cum Drafting Committee of the College.

3. Resolved to approve the resolutions of Academic Planning and Development Committee to introduce 4-year UG Programme for Arts and Science in the college from the academic session 2022-2023 based on the curriculum framework of UGC and Manipur University in compliance with the spirit and vision of NEP 2020. Further resolved to ask the BoSs of the College to place their curriculum and syllabus of 4-year UG Programme under NEP 2020 in the next Academic Council meeting.

In view of implementation of this one year added Degree Programme, it is further resolved that the college authority should arrang to increase the existing faculty strength and academic infrastructure.

4. Resolved to approve the 2021-22 Academic Calendar (Odd & Even Semester) of the college.

5. Resolved to approve the Report of Academic and Administrative Audit (Internal) for 2020-21 conducted during April 16-19, 2022 submitted by the college Internal Academic Audit Team.

6. Resolved to approve the Students' Support Schemes of the IQAC and the examination Cell of the College for providing merit prizes to toppers of B.A and B.Sc Programmes and Honours subjects respectively.

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7. Resolved to approve the Policy of Resource Mobilisation and Procedures of the college submitted by the Coordinator, IQAC.

8. Resolved to approve the Code of Conduct and Professional Ethics Policy Document of the College submitted by the Coordinator, IQAC.

9. Resolved to approve the IT Policy Document of the College submitted by the Coordinator, IQAC.

10. Resolved to re-introduce Human Rights and Duties (HRD) and Women Empowerment (WEM) as Value Addition Courses in Semester I & Semester II respectively.

11. Resolved to approve the existing facilities and shortages for teaching-learning process submitted by the different Departments. Further resolved to apprise the concerned State Government authority of the details of shortage of teaching and non-teaching staff including physical infrastructure in the college for early action.

12. Resolved that the Chairman of the Academic Council be entrusted to place the above resolutions to the Governing Body of the college for approval.

Principal
Oriental College, Imphal
Govt. of Manipur

30/01/2023

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Proceedings of the 8th Academic Council Meeting of the College held on 30th January, 2023 at 11:00 A.M. in the College Conference Hall with Dr. S. Ranjit Singh, Principal, in the Chair to discuss and transact the following agenda:

1. Confirmation of the Resolutions of the 7th Academic Council,
2. Action Taken Report of the previous meeting
3. Approval of the Curriculum and Syllabi of NEP 2020 and its implementation in the College.
4. Any other item, with the permission of the Chair.

The following members were present in the meeting:

Sl. No.	NAME	SIGNATURE	MOBILE NO.
1.	N. Ibobi Singh		9862722379
2.	DR. T. Yumjao Babu Singh		9436025126
3	DR. G. Ranita Devi.		9436020870
4.	Dr. A. Shatishkumari Devi		9774808490
5.	L. Ibemi Devi.		9383217002
6	Kh. Keerabanti Devi.		9862104547
7.	H. Rebakal.		8575091405
8.	M. Subadani Devi.		9436204822
9.	M. Lokendro Singh		9436291615
10.	Yumlembam Ae		7005840039
11	Kh. Satyabala Devi		7085936082
12.	O. Rudrabachan Singh.		9436273140
13	Padmaja Sanjenbam		8131921748
14.	Ashraf Ae.		8787449135
15.	Ch. Robindro Singh		9436845236
16.	Kh. Ibemba Singh		9612160886

17.	S. Nabadwip Singh		9862276653
18.	Sachidananda Angom	Sachin A.	8131896979.
19.	Rk. Rajeshwari Devi	Rkrajeshwari	9862093005
20.	CR. Iboyaima Mukti	Iboyaima	9436033967
21.	L. Mani Singh	L Mani	9402880647
22	A. Bhomcha Singh	A Bhomcha	7085562254

The Meeting began with an opening note by Ksh. Satyabala Devi, Member Secretary, Academic Council of the College, who elaborated upon different aspects of the agenda items minutely and took up each item for detailed discussion. After threadbare discussions on different items of the agenda, the following resolutions were adopted unanimously.

Resolution No. 1
Resolved to confirm the resolutions of the 7th Academic Council held on 30th May, 2022.

Resolution No. 2.
Discussed and resolved to pass the Action Taken Report on the resolution taken up with the last Academic Council.

Resolution No. 3
Discussed the NEP 2020 Curriculum and Syllabi of 13 subjects submitted by the Boards of Studies and the Steering cum Drafting Committee of Curriculum and Syllabi of the College for implementation from 2022-23 session, and resolved to develop a complete 4 year UG Programme Structure based on UGC-LOCF along with a draft Ordinance and place the

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/Same to be uploaded in the College website since all the Departments have already developed a complete 4(four) year Under Graduate programme.

Resolution No. 4
Resolved to approve the Draft Ordinance for Under Graduate Programme in Science and Arts 2022 submitted by the Drafting Committee of Curriculum and Syllabi of the College.

Resolution No. 5
Resolved to approve the Academic Calendar for 2022-23 of the College.

Resolution No. 6
Resolved to approve the Institutional Policy Document for Persons with Disabilities.

Principal
Oriental College, Imphal
Govt. of Manipur

Semester wise course and credit details :

Semester	Course offered	Course Name	Distribution of credits
1		**Honours Core Papers**	
	ANT-HC 501	Fundamentals of Biological Anthropology (Theory & Practical)	**4+2=6**
	ANT-HC 502	Fundamentals of Social & Cultural Anthropology (Theory & Practical)	**4+2=6**
		Ability (Skill) enhancement course	
	ANT-SE 501	Public Health and Epidemology	**4**
		Ability enhancement compulsory Course-1	
	GEN/MAN-AE	General english / MIL(Manipuri)	**4**
		Value addition course	
	VAC 1	**- - -**	**2**
	VAC 2	**- - -**	**2**
		Honours Core Papers	
2	ANT-HC 503	Fundamentals of Prehistoric Archaeology (Theory & Practical)	**4+2=6**
	ANT-HC 504	Fundamentals of Human Origin and Evolution (Theory & Practical)	**4+2=6**
		Ability (Skill) enhancement course	
	ANT-SE 502	Tourism Anthropology	**4**
		Ability enhancement compulsory Course-2	
	EVS-AE	Environmental Science	**4**
		Value addition course	
	VAC 3	**- - -**	**2**
	VAC 4	**- - -**	**2**
		Honours Core Papers	

3	ANT-HC 601 ANT-HC 602 ANT-HC 603	Tribes and Peasants in India (Theory & Practical) Human Ecology: Biological & Cultural dimensions (Theory & Practical) Biological Diversity in Human population (Theory & Practical)	**4+2=6** **4+2=6** **4+2=6**
		Generic (Interdisciplinary) Elective Course	
	ANT-HG 601	General Anthropology (Theory & Practical)	**4+2=6**
		Value addition course	
	VAC 5	**- - -**	**2**
		Honours Core Papers	
4	ANT-HC 604 ANT-HC 605 ANT-HC 606	Theories of Culture and Society (Theory & Practical) Human Growth and Development (Theory & Practical) Anthropological Demography (Theory & Practical)	**4+2=6** **4+2=6** **4+2=6**
		Generic (Interdisciplinary) Elective Course	
	ANT-HG 602	Anthropology of Tribal Development (Theory & Practical)	**4+2=6**
		Value addition course	
	VAC 6	**- - -**	**2**

		Honours Core Papers	
5	ANT-HC 701 ANT-HC 702	Fundamentals of Human genetics (Theory & Practical) Anthropology of India (Theory & Practical)	**4+2=6** **4+2=6**
		Discipline Specific Elective Course	
	ANT-HE 701 ANT-HE 701 ANT-HE 701	One elective course from A, B and C Anthropology of Health (Theory & Practical) Anthropology of religion, politics and economics (Theory & Practical) Museology (Theory & Practical)	**4+2=6**
		Generic (Interdisciplinary) Elective Course	
	ANT-HG 701	Fundamentals of Prehistoric Archaeology (Theory & Practical)	**4+2=6**
		Value addition course	
	VAC 7	**- - -**	**2**
		Honours Core Papers	
	ANT-HC 703 ANT-HC 704	Forensic Anthropology (Theory & Practical) Anthropology in Practice (Theory & Practical)	**4+2=6** **4+2=6**
		Discipline Specific Elective Course	
6	ANT-HE 702 ANT-HE 702 ANT-HE 702	One elective course from A, B and C Physiological Anthropology (Theory & Practical) Gender Anthropology (Theory & Practical) Prehistory of India (Theory & Practical)	**4+2=6**
		Generic (Interdisciplinary) Elective Course	
	ANT-HG 702	Palaeoanthropology (Theory & Practical)	**4+2=6**
		Value addition course	
	VAC 8	**- - -**	**2**
		Honours Core Papers	
7	ANT-HC 801 ANT-HC 802	Medical Anthropology (Theory & Practical)	**4+2=6**

		Human Population Genetics (Theory & Practical)	**4+2=6**
		Discipline Specific Elective Course	
	ANT-HE 801 ANT-HE 801 ANT-HE 801	One elective course from A, B and C Human Genetics and variation (Theory & Practical) Urban Anthropology (Theory & Practical) Prehistory of Europe (Theory & Practical)	**4+2=6**
		Generic (Interdisciplinary) Elective Course	
	ANT-HG 801	Museum and Cultural Resource Management (Theory & Practical)	**4+2=6**
		Honours Core Papers	
8	ANT-HC 803 ANT-HC 804	Applied and Action Anthropology (Theory & Practical) Research Methodology (Theory & Practical)	**4+2=6** **4+2=6**
		Discipline Specific Elective Course	
	ANT-HE 802	Dissertation	**6**
		Generic (Interdisciplinary) Elective Course	
	ANT-HG 802	Anthropology of Health (Theory & Practical)	**4+2=6**

Scheme for Choice Based Credit System in B. Sc. Botany Honours Semester

Course Structure

Semester I

Core Courses		
Course code	Title of the paper	Credit
BOT-HC-501 BOT-HC-501(P)	Introduction to Microbial World, Virus, Bacteria, Fungi and Phytopathology Introduction to Microbial World, Virus, Bacteria, Fungi and Phytopathology (Practical)	4 2
BOT-HC-502 BOTC-502(P)	Algae, Bryophytes, Pteridophytes and Gymnosperms Algae, Bryophytes, Pteridophytes and Gymnosperms (Practical)	4 2
Ability Enhancement Compulsory Courses (AECC)		
	English/MIL	4
Skill Enhancement Courses (SEC) to be opted one course		
BOT-SE-501 BOT-SE-501(P)	Biofertilizers Biofertilizers (Practical)	3 1
BOT-SE-501 BOT-SE-501(P)	Mushroom Cultivation Mushroom Cultivation(Practical)	3 1
BOT-SE-501 BOT-SE-501(P)	Fermentation Technology Fermentation Technology (Practical)	3 1
Value Addition Courses (VAC)		
	To be opted from central pool	2
	To be opted from central pool	2
Total Credit		**24**

Semester II

Core Courses		
Course code	Title of the paper	Credit
BOT-HC-503 BOT-HC-503(P)	Plant Systematics Plant Systematics (Practical)	4 2
BOT-HC-504 BOT-HC-503(P)	Biomolecules and Cell Biology Biomolecules and Cell Biology (Practical)	4 2
Ability Enhancement Compulsory Courses (AECC)		
	Environmental Science	4
Skill Enhancement Courses (SEC) to be opted one course		
BOT-SE-502 BOT-SE-502(P)	Botanical Garden and Landscaping Botanical Garden and Landscaping (Practical)	3 1
BOT-SE-502 BOT-SE-502(P)	Nursery and Gardening Nursery and Gardening (Practical)	3 1
BOT-SE-502 BOT-SE-502(P)	Floriculture Floriculture (Practical)	3 1
Value Addition Courses (VAC)		
	To be opted from central pool	2
	To be opted from central pool	2
Total Credit		**24**

Exit option after first year: Bachelor's Certificate in Botany (Level 5) on completion of 46 credits

Semester III

Core Courses		
Course code	Title of the paper	Credit
BOT-HC-601 BOT-HC-601(P)	Plant Metabolism Plant Metabolism (Practical)	4 2
BOT-HC-602 BOT-HC-602(P)	Ecology and Phytogeography Ecology and Phytogeography (Practical)	4 2
BOT-HC-603 BOT-HC-603(P)	Genetics and Cytogenetics Genetics and Cytogenetics (Practical)	4 2
Generic Elective Course (GEC)		
BOT-HG-601	Theory (To be opted from other discipline)	6/4
BOT-HG-601(P)	Practical	2/0
Value Addition Courses (VAC)		
	To be opted from central pool	2
Total Credit		**26**

Semester IV

Core Courses		
Course code	Title of the paper	Credit
BOT-HC-604 BOT-HC-604(P)	Economic Botany and Plant Resource Utilization Economic Botany and Plant Resource Utilization (Practical)	4 2
BOT-HC-605 BOT-HC-605(P)	Molecular Biology Molecular Biology (Practical)	4 2
BOT-HC-606 BOT-HC-606(P)	Plant Morphology and Anatomy Plant Morphology and Anatomy (Practical)	4 2
Generic Elective Course (GEC)		
BOT-HG-602	Theory (To be opted from other discipline)	6/4
BOT-HG-602(P)	Practical	2/0
Value Addition Courses (VAC)		
	To be opted from central pool	2
Total Credit		**26**

Exit option after second year: Bachelor's Diploma in Botany (Level 6) on completion of 96 credits

Semester V

Core Courses		
Course code	Title of the paper	Credit
BOT-HC-701	Reproductive Biology of Angiosperms	4
BOT-HC-701(P)	Reproductive Biology of Angiosperms (Practical)	2
BOT-HC-702	Plant Physiology	4
BOT-HC-702(P)	Plant Physiology (Practical)	2
Discipline Specific Elective Course (DSE) to be opted one course		
BOT-HE-701	Stress Physiology	4
BOT-HE-701(P)	Stress Physiology (Practical)	2
BOT-HE-701	Natural resource management	4
BOT-HE-701(P)	Natural resource management (Practical)	2
Generic Elective Course (GEC)		
BOT-HG-701	Theory (To be opted from other discipline)	6/4
BOT-HG-701(P)	Practical	2/0
Value Addition Courses (VAC)		
	To be opted from central pool	2
Total Credit		**26**

Semester VI

Core Courses		
Course code	Title of the paper	Credit
BOT-HC-703	Biostatistics and Bioinformatics	4
BOT-HC-703(P)	Biostatistics and Bioinformatics (Practical)	2
BOT-HC-704	Plant Biotechnology	4
BOT-HC-704(P)	Plant Biotechnology (Practical)	2
Discipline Specific Elective Course (DSE) to be opted one course		
BOT-HE-702	Biodiversity Conservation	4
BOT-HE-702(P)	Biodiversity Conservation (Practical)	2
BOT-HE-702	Post-Harvest Technology	4
BOT-HE-702(P)	Post-Harvest Technology (Practical)	2
Generic Elective Course (GEC)		
BOT-HG-702	Global Warming and Climate Change	6/4
BOT-HG-702(P)	Practical	2/0
Value Addition Courses (VAC)		
	To be opted from central pool	2
Total Credit		**26**

Exit option after third year: Bachelor's Degree in Botany (Level 7) on completion of 140 credits

Semester VII

Core Courses		
Course code	Title of the paper	Credit
BOT-HC-801 BOT-HC-801(P)	Pharmacognosy and Phytochemistry Pharmacognosy and Phytochemistry (Practical)	4 2
BOT-HC-802 BOT-HC-802(P)	Ethnobotany Ethnobotany (Practical)Industrial and Environmental	4 2
Discipline Specific Elective Course (DSE) to be opted one course		
BOT-HE-801 BOT-HE-801(P)	Analytical techniques in Plant science Analytical techniques in Plant science (Practical)	4 2
Generic Elective Course (GEC) to be opted two courses from other discipline		
BOT-HG-801	Theory	6/4
	Practical	2/0
Total Credit		**24**

Semester VIII

Core Courses		
Course code	Title of the paper	Credit
BOT-HC-803 BOT-HC-803(P)	Microbiology Industrial and Environmental Microbiology (Practical)	4 2
BOT-HC-804 BOT-HC-804(P)	Research Methodology Research Methodology (Practical)	4 2
Discipline Specific Elective Course (DSE) to be opted one course		
BOT-HE-802	Project Work/Dissertation	6
Generic Elective Course (GEC) to be opted one course from other discipline		
BOT-HG-802	Current Trends in Plant Science	6/4
BOT-HG-802(P)	Practical	2/0
Total Credit		**24**

Exit option after fourth year: Bachelor's Degree in Botany Honours (Level 8) on completion of 140 credits

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SCHEME FOR CHOICE BASED CREDIT SYSTEM in 4 YEAR B.A.HONOURS (ECONOMICS)

SEMESTER	COURSE CODE	COURSE NAME	Credits
I	GEN-AE-1	English for Communications	4
	ECO-HC 501	Introductory Microeconomics	6
	ECO-HC 502	Mathematical Methods for Economics-I	6
	ECO-SE 501	Data Analysis	4
	VAC 1	Value Addition Course 1	2
	VAC 2	Value Addition Course 2	2
		Total credits in Semester I	**24**
II	EVS-AE 2	Environmental Studies	4
	ECO-HC 503	Introductory Macroeconomics	6
	ECO-HC 504	**Mathematic for Economics-II**	6
	ECO-SE 502	Research Methodology	4
	VAC 3	Value Addition Course 3	2
	VAC 4	Value Addition Course 4	2
		Total credits in Semester II	**24**
III	ECO-HC 601	Intermediate Microeconomics	6
	ECO-HC 602	Intermediate Macroeconomics	6
	ECO-HC 603	Statistical Methods for Economics	6
	ECO-HG 601	**Introductory Microeconomics**	6
	VAC 5	**Value Addition Course 5**	2
		Total credits in Semester III	**26**
IV	ECO-HC 604	Introductory Microeconomics-II	6
	ECO-HC 605	Intermediate Macroeconomics-II	6
	ECO-HC 606	Introductory Econometrics	6

	ECO-HG 602	Introductory Macroeconomics	**6**
	VAC 6	Value Addition Course 6	**2**
		Total credits in Semester IV	**26**
V	**ECO-HC 701**	Indian Economy-I	**6**
	ECO-HC 702	Development Economics-I	**6**
	ECO-HE 701	Political Economy-I/Topics in Microeconomics-I/Money and Financial Market	**6**
	ECO-HG 701	Indian Economy-I	**6**
	VAC 7	Value Addition Course 7	**2**
		Total credits in Semester V	**26**
VI	**ECO-HC 703**	Indian Economy-II	**6**
	ECO-HC 704	Development Economics-II	**6**
	ECO-HE 702	Political Economy-II/ Topics in Microeconomics-II/Environmental Economics	**6**
	ECO-HG 702	Indian economy-II	**6**
	VAC 8	Value Addition Course 8	**2**
		Total credits in Semester VI	**26**
VII	**ECO-HC 801**	International Economics	**6**
	ECO-HC 802	Public Finance	**6**
	ECO-HE 801	Applied Econometrics/ Economics of Health &Education/ Economic History of India(1857-1947)	**6**
	ECO-HG 801	Environmental Economics	**6**
		Total credits in Semester VII	**24**
VIII	**ECO-HC 803**	The Economy of Manipur	**6**
	ECO-HC 804	Environmental Economics	**6**

	ECO-HE 802	Contemporary Economic Issues/ (Dissertation)	**6**
	ECO-HG 802	Public Finance	**6**
Total credits in Semester VIII			**24**
Grand Total credits			**200**

2. COURSE STRUCTURE

Year I (Level 5) Total Credits : 2 Sem. X 24 = 48						
Sem	CC (18 courses x 6 credit each)	DSEC(4 courses x 6 credit each)	GEC (6 courses x 6 credit each)	SEC (2 courses x 4 credit each)	AECC (2 courses x 4 credit each)	VAC (8 courses x 2 credit each)
1	Edn –HC 501			Edn-SE 501	GEN-AE1/MAN-AE-1	VAC 1
	Edn-HC502					VAC2
2	Edn –HC 503			Edn-SE 502	EVS-AE 2	VAC 3
	Edn-HC504					VAC4
Year II (Level 6) Total Credits : 2 Sem. x 26 = 52						
3	Edn –HC 601		Edn-HG 601			VAC 5
	Edn-HC 602					
	Edn-HC 603					
4	Edn –HC 604		Edn-HG 602			VAC 6
	Edn –HC 605					
	Edn –HC 606					
Year III (Level 7) Total Credits: 2 Sem. x 26 = 52						
5	Edn-HC 701	Edn-HE 701//	Edn-HG 701			VAC 7
	Edn-HC 702					
6	Edn-HC 703	Edn-HE 702/	Edn-HG 702			VAC 8
	Edn-HC 704					
Year IV (Level 8) Total Credits : 2 Sem. x 24 = 48						
7	Edn-HC 801	Edn-HE 801/	Edn-HG 801			
	Edn-HC 802					
8	Edn-HC 803	Edn-HE 802 Dissertation	Edn-HG 802			
	Edn-HC 804					
TOTAL : CC 18 courses for 108 credits; DSEC: 4 courses for 24 credits; GEC: 6 courses for 36 credits; SEC: 2 courses for 8 credits; AECC: 2 courses for 8 credits; VAC: 8 courses for 16 credits (altogether 40 courses/ papers & 200 Credits)						

3. COURSE CONTENTS WITH CREDITS

3.1 CORE COURSE (18 Courses)

Year	Sem	Course Code	Title of the Paper	Credits
1st Year	I	Edn-HC- 501	Principles of Education	6 = (5 Theory,1Tutorial)
	I	Edn-HC-502	Educational Philosophy	6 = (5 Theory,1Tutorial)
	II	Edn-HC-503	Educational Sociology	6 = (5 Theory,1Tutorial)
	II	Edn-HC-504	Educational Psychology	6 = (5 Theory,1Tutorial)
2nd Year	III	Edn-HC-601	Development of Education in India	6 = (5 Theory,1Tutorial)
	III	Edn-HC-602	Educational Management	6 = (5 Theory,1Tutorial)
	III	Edn-HC-603	Guidance and Counseling in Education	6 = (5 Theory,1Tutorial)
	IV	Edn-HC-604	Educational Technology	6 = (5 Theory,1Tutorial)

	IV	Edn-HC-605	Education for Curriculum Development	6 = (5 Theory,1Tutorial)
	IV	Edn-HC-606	Inclusive Education	6 = (5 Theory,1Tutorial)
3rd Year	V	Edn-HC-701	Educational Evaluation	6 = (5 Theory,1Tutorial)
	V	Edn-HC-702	Educational Statistics	6 = (5 Theory,1Tutorial)
	VI	Edn-HC-703	Psychology of Adjustment	6 = (5 Theory,1Tutorial)
	VI	Edn-HC-704	Early Childhood Care &Education	6 = (5 Theory,1Tutorial)
4th Year	VII	Edn-HC-801	Comparative Education	6 = (5 Theory,1Tutorial)
	VII	Edn-HC-802	Educational Thinkers	6 = (5 Theory,1Tutorial)
	VIII	Edn-HC-803	Trends and Issues in Indian Education	6 = (5 Theory,1Tutorial)
	VIII	Edn-HC-804	Educational Research	6 = (5 Theory,1Tutorial)

3.2 DISCIPLINE SPECIFIC ELECTIVE (4 Courses)

Year	Sem	Course Code	Title of the Paper	Credits
3rdYear	V	Edn.-HE-701 Edn.-HE-701 Edn.-HE-701	Choose any one: Adolescent Education Continuing Education Economics of Education	6 = (5 Theory,1Tutorial) 6 = (5 Theory,1Tutorial) 6 = (5 Theory,1Tutorial)
	VI	Edn.-HE-702 Edn.-HE-702 Edn.-HE-702	Choose any one: Education in Manipur Elementary Education Environmental Education	6 = (5 Theory,1Tutorial) 6 = (5 Theory,1Tutorial) 6 = (5 Theory,1Tutorial)
4th Year	VII	Edn.-HE-801 Edn.-HE-801 Edn.-HE-801	Choose any one: Gender Education Value Education Population Education	6 = (5 Theory,1Tutorial) 6 = (5 Theory,1Tutorial) 6 = (5 Theory,1Tutorial)
4thYear	VIII	Edn.-HE-802	Dissertation/Project/Internship	6

3.3 GENERIC ELECTIVE COURSES (6 Courses)

Year	Sem	Course Code	Title of the Paper	Credit
2nd Year	III	Edn.-HG-601	Philosophical and Sociological foundations of Education	6 = (5 Theory,1Tutorial)
	IV	Edn.-HG-602	Educational Psychology And Pedagogy	6 = (5 Theory,1Tutorial)
3rd Year	V	Edn.-HG-701	Development of Education in India	6 = (5 Theory,1Tutorial)
	VI	Edn.-HG-702	Issues and trends in contemporary Indian Education	6 = (5 Theory,1Tutorial)
4th Year	VII	Edn.-HG-801	Educational Evaluation and Statistics	6 = (5 Theory,1Tutorial)
	VIII	Edn.-HG-802	Educational Management and Educational Technology	6 = (5 Theory,1Tutorial)

3.4 SKILL ENHANCEMENT COURSE (2 Courses)

Year	Sem	Course Code	Title of the Paper	Credits
1st Year	I	Edn. –SE-501	Guidance and Counselling	4=(3Theory,1Practical)
	II	Edn. –SE-502	Pre-School Management	4=(3Theory,1Practical)

ORIENTAL COLLEGE (AUTONOMOUS), IMPHAL
4-Year UG Programme Structure for English (Honours) with Course Titles

Sem.	CC (18 courses x 6 credit each)	DSEC (4 courses x 6 credit each)	GEC (6 courses x 6 credit each)	SEC (2 courses x 4 credit each)	AECC (2 courses x 4 credit each)	VAC (8 courses x 2 credit each)
	Year I (Level 5) total credits: 2 Sem. x24=48					
1	ENG-HC 501 Indian Classical Literature			ENG -SE 501 Translation Studies	GEN-AE 1 / MAN-AE 1	VAC 1
	ENG -HC 502 European Classical Literature					VAC 2
2	ENG -HC 503 India Writing in English			ENG -SE 502 Creative Writing	EVS-AE 2	VAC 3
	ENG -HC 504 British Poetry and Drama:14th to 17th century.					VAC 4
	Year II (Level 6) total credits: 2 Sem. x 26=52					
3	ENG -HC 601 American Literature		ENG -HG 601 Introduction to Literature **(or)** Literary Cross Currents: Prose, Poetry, Fiction and Drama			VAC 5
	ENG -HC 602 British Poetry and Drama: 17th to 18th century.					
	ENG -HC 603 British Literature:18th century					
4	ENG -HC 604 Literary Criticism		ENG -HG 602 Language and Linguistics **(or)** Text and Performance			VAC 6
	ENG -HC 605 British Romantic literature					
	ENG -HC 606 British literature: 19th century					
	Year III (Level 7) total credits: 2 Sem. x 26=52					
5	ENG -HC 701 Literary theory	ENG -HE 701/ ENG -HE 701/ Modern Indian Writing in English literature **(or)** Literature of the Indian Diaspora	ENG -HG 701 Language and Indian Literature **(or)** Individual and Society			VAC 7
	ENG -HC 702 British Literature: The early 20th century					
6	ENG -HC 703 Modern European Drama	ENG -HE 702/ ENG -HE 702/ British Literature:	ENG -HG 702 American and British Literature			VAC 8

	ENG -HC 704 Postcolonial Literature	Post-WWII **(or)** Writings from the North East India	**(or)** Media and Mass Communication in India			
Year IV (Level 8) total credits: 2 Sem. x 24=48						
7	ENG -HC 801 Popular Literature ENG -HC 802 Women's Writing	ENG -HE 801/ ENG -HE 801 Literature and Cinema **(or)** Science Fiction and Detective Literature	ENG -HG 801 New Literature in English **(or)** American Literature			
8	ENG -HC 803 Research Methodology ENG -HC 804 World literature	ENG -HE 802 Dissertation/Research Internship	ENG -HG 802 Contemporary India: Women and Empowerment **(or)** British Romantic Literature			

Core Course = Hons. Discipline Specific Core Course (18 papers of 6 credit each) – **Course Code: HC**
AECC=Ability Enhancement Compulsory Course (2 papers of 4 credit each)- **Course Code: AE**
SEC= Skill Enhancement Course (2 papers of 4 credit each) - **Course Code: SE**
DSEC= Discipline Specific Elective Course (4 papers of 6 credit each) - **Course Code: HE**
GEC= Generic Elective Course (6 papers of 6 credit each) - **Course Code: HG**
VAC= Value Addition Courses (cf- Graduate Descriptors)

TOTAL:
CC: 18 courses for 108 credits
DSEC: 4 courses for 24 credits
GEC; 6 courses for 36 credit
SEC: 2 courses for 8 credits
AECC: 2 courses for 8 credits
VAC: 8 courses for 16 credits (altogether 40 courses/papers& 200 Credits)
DSEC option courses should represent the major branches of the Discipline/Subject.
XXX represents subject Code, say CHM for Chemistry as adopted in the college

- Award of Bachelor's **Degree with Honours** in a Discipline on completion of courses equal to **minimum** 182 credits in 4 years
- Award of Bachelor's **Degree with pass certificate** in a Discipline on completion of courses equal to **minimum** 140 credits in 3 years
- Award of Bachelor's **with Diploma** in a Discipline on completion of courses equal to **minimum** 96 credits in 2 years

  Award of Bachelor's **with Certificate** in a Discipline on completion of courses equal to **minimum** 46 credits in 1 year

ORIENTAL COLLEGE (AUTONOMOUS), IMPHAL 4-Year UG Programme Structure for Geography

Sem.	CC(18 courses x6 credit each)	#DSEC(4 courses x6 credit each)	GEC(6 courses x6 credit each)	SEC(2 courses x4 credit each)	AECC(2 courses x4 credit each)	VAC (8 courses x2credit each)
	Year I (Level 5) total credits: 2 Sem. x24=48					
1	Physical geography-HC 501 Cartography-1-(Practical) HC 502			Political Geography-SE 501	GEN-AE 1 / MAN-AE 1	
2	Human geography-HC 503 Thematic Cartography-HC 504(practical)			Basic Statistical Technique -SE 502	EVS-AE 2	
	Year II (Level 6) total credits: 2 Sem. x 26=52					
3	Geography of India-HC 601 World regional geography Statistical method in Geography-HC 603(Practical)		Human and economic geography-HG 601			
4	Economic geography-HC 604 Evolution of Geographical Thought-HC 605 Field work and Research Method-(Practical) HC 702		Industrial Geography-HG 602			
	Year III (Level 7) total credits: 2 Sem. x 26=52					
5	Population Geography-HC 701 Remote sensing and GIS (practical)-HC 606	Resource Geography-HE 701/ Social geog -HE 701/ Health Geography.-HE 701	Agricultural Geography-HG 701			
6	Climatology-HC 703 Geographical Field survey report.-HC 704	Hydrology-HE 702/ Bio geography-HE 702/ Oceanography-HE 702	Environmental Geography-HG 702			
	Year IV (Level 8) total credits: 2 Sem. x 24=48					
7	Settlement Geography -HC 801 Geomorphology	Urban geog-HE 801/ Rural geog-HE 801/ HE 801 Development-HG 801/ Geography of Northeast India and Manipur/Surveying and Topographical Sheet Interpretation	Sustainable Resource Geography of Northeast India-			
8	Research methodology in Geography.-HC 803 Maps and topographical interpretation	XXX-HE 802 Dissertation	Fluvial Geomorphology-HG 802			

TOTAL: CC: 18 courses for 108 credits;DSEC: 4 courses for 24 credits; GEC; 6 courses for 36 credits;SEC: 2 courses for 8 credits; AECC: 2 courses for 8 credits; VAC: 8 courses for 16 credits
(altogether 40 courses/papers& 200 Credits)

DSEC option courses should represent the major branches of the Discipline/Subject.

XXX represents subject Code, say CHM for Chemistry as adopted in the college

Core course= Hons. Discipline Specific Core Course (18 papers of 6 credit each) – **Course Code: HC**

AECC=Ability Enhancement Compulsory Course (2 papers of 4 credit each)- **Course Code: AE**

SEC= Skill Enhancement Course (2 papers of 4 credit each) - **Course Code: SE**

DSEC= Discipline Specific Elective Course (4 papers of 6 credit each) - **Course Code: HE**

GEC= Generic Elective Course (6 papers of 6 credit each) - **Course Code: HG**

VAC= Value Addition Courses (cf- Graduate Descriptors)

- Award of Bachelor's **Degree with Honours** in a Discipline on completion of courses equal to **minimum** 182 credits in 4 years
- Award of Bachelor's **Degree with pass certificate** in a Discipline on completion of courses equal to **minimum** 140 credits in 3 years
- Award of Bachelor's **with Diploma** in a Discipline on completion of courses equal to **minimum** 96 credits in 2 years
- Award of Bachelor's **with Certificate** in a Discipline on completion of courses equal to **minimum** 46 credits in 1 year

Course Structure-B
ORIENTAL COLLEGE (AUTONOMOUS), IMPHAL
4-Year UG Programme Structure for History (Honours)

Year I (Level 5) total credits: 2 Sem. X 24 = 48						
Types	**Core**	**DSE**	**GE**	**SEC**	**AECC**	**VAC**
Credits	18 x 6 = 108	4 x 6 = 24	6 x 6 = 36	2 x 4 = 08	2 x 4 = 08	8 x 2 = 16
Semester	Courses	Courses	Courses	Courses	Courses	Courses
1	HIS-HC 501: The Idea of Bharat/ History & Indian Historiography HIS-HC 502: History of World Civilization			HIS -SE 501: Introduction to Archaeology/Archives & Museums/ Myanmarese or Burmese Language	GEN-AE-1/ MAN-AE-1	VAC-1: VAC-2:
2	HIS-HC 503: History of India- Earliest time to 550 C.E. HIS-HC 504: History of Europe - 13th Century to 1789			HIS -SE 502:Understanding Heritage/Understanding popular Culture of India/ Historical tourism in N-E India	EVS-AE-2	VAC-3: VAC-4:
Year II (Level 6) total credits: 2 Sem. x 26 = 52						
3	HIS-HC 601: History of India - 550 C.E. to 1200 C.E. HIS-HC 602: History of Europe- 1789 to 1919 C.E. HIS-HC 603: History of India - 1200 C.E. to 1707 C.E.		HIS -HG 601: History of Manipur- From 33 A.D. to 1891 A.D.			VAC-5:
4	HIS-HC 604:History of Modern world- 1919 to 1945 C.E. HIS-HC 605: History of India - 1707 C.E. to 1857 C.E. HIS-HC 606: Indian national Movement- 1857-1947 C.E.		HIS -HG 602: History of Ancient India			VAC-6:
Year III (Level 7) total credits: 2 Sem. x 26 = 52						
5	HIS-HC 701: History of modern India- 1947-2000 C.E. HIS-HC 702: Cultural Heritage of India	HIS -HE 701: History of the United States of America-I (1776-1945 C.E.)/History of the USSR (1917-1964 C.E.)/History of Africa (1500-1960 C.E.)	HIS -HG 701: History of Medieval India			VAC-7:
6	HIS -HC 703: Asian Resurgence HIS -HC 704: History of Manipur – Earliest time to 1891 A.D.	HIS-HE-702: History of South East Asia (19th & 20th Centuries)/History of Latin America (1500-1960 C.E.)/Issues in Contemporary world	HIS -HG 702: History of Modern India			VAC-8:
Year IV (Level 8) total credits: 2 Sem. x 24 = 48						
7	HIS -HC 801: History of Modern Manipur – 1891-1949 A.D. HIS -HC 802: History of Communication in India	HIS-HE-801: History of East Asia (1840 to 1949 C.E.)/Environmental Issues in India/History of the North East India- From 1826 to 1947	HIS –HG-801: History of Freedom Movement in India			
8	HIS -HC 803: History of Contemporary Manipur (1950-2000) HIS -HC 804: Research Methodology in History	HIS -HE 802: Dissertation	HIS –HG-802: History of Modern Europe (1789-1945 CE)/Women in Indian History/ Making Contemporary India			

TOTAL: CC: 18 courses for 108 credits; DSEC: 4 courses for 24 credits; GEC; 6 courses for 36 credits; SEC: 2 courses for 8 credits; AECC: 2 courses for 8 credits; VAC: 8 courses for 16 credits (altogether 40 courses/papers & 200 credits).

DSEC option courses should represent the major branches of the Discipline/Subject;
HIS represents History subject Code, as adopted in the college;
Core course= Hons. Discipline Specific Core Course (18 papers of 6 credits each) – **Course Code: HC**
AECC=Ability Enhancement Compulsory Course (2 papers of 4 credits each) - **Course Code: AE**
SEC= Skill Enhancement Course (2 papers of 4 credits each) - **Course Code: SE**
DSEC= Discipline Specific Elective Course (4 papers of 6 credits each) - **Course Code: HE**
GEC= Generic Elective Course (6 papers of 6 credit each) - **Course Code: HG**
VAC= Value Addition Courses (c. f. - Graduate Descriptors)

1. Award of Bachelor's **Degree with Honours** in a Discipline on completion of courses equal to **minimum** 182 credits in 4 years;
2. Award of Bachelor's **Degree with pass certificate** in a Discipline on completion of courses equal to **minimum** 140 credits in 3 years;
3. Award of Bachelor's **with Diploma** in a Discipline on completion of courses equal to **minimum** 96 credits in 2 years;
4. Award of Bachelor's **with Certificate** in a Discipline on completion of courses equal to **minimum** 46 credits in 1 year.

Note: A student of History (Hounours) course may take Generic Elective Course (HG) papers from any other discipline available in the College other than History Generic Elective course.

Semester-wise Course, Credits & Marks details

ORIENTAL COLLEGE (AUTONOMOUS), IMPHAL
4- Year UG Programme Structure, B.A. Manipuri (Hons),

Year I (Level 5) total credits : 2 Sem. x 24 = 48						
Sem	CC (18 courses x 6 credit each)	DSEC(4 courses x 6 credit each)	GEC (6 courses x 6 credit each)	SEC (2 courses x 4 credit each)	AECC (2 courses x 4 credit each)	VAC (8 courses x 2 credit each)
1	MSL–HC 501: Poetry & Prose			MSL-SE 501: Transliteration/ Arangpham	MAN-AE-1: Poetry, Prose, Grammar & Composition	VAC 1
	MSL-HC502: Grammar & Composition					VAC2
2	MSL –HC:503: Drama			MSL-SE 502 : Food Processing/ Fashion Designing	AE 2	VAC 3
	MSL-HC: 504: Novel & Short Story					VAC4
Year II (Level 6) total credits : 2 Sem. x 26 = 52						
3	MSL –HC 601: History of Manipuri Literature		MSL-HG 601: Introduction to Manipuri Literature			VAC 5
	MSL-HC 602: Old Manipuri Literature					
	MSL-HC 603: Future of early Manipuri Culture (before 18th century)					
4	MSL –HC 604: Literature in Translation		MSL-HG 602: Mediaeval Manipuri Literature			VAC 6
	MSL –HC 605: Introduction to Linguistics					
	MSL –HC 606: Travelogue					
Year III (Level 7) total credits : 2 Sem. x 26 = 52						
5	MSL-HC 701: Biographical Literature	MSL-HE 701/: Khwairakpam Chaoba Life & works	MSL-HG 701 : Old Manipuri Literature			VAC 7
	MSL-HC 702: Mahakavya and Khandakavya	MSL-HE -701/: Manipuri Folk Literature				
		MSL-HE-701/: Social and Culture background of Medieval period				
6	MSL-HC 703: History	MSL HE-702/:	MS-HG 702:			VAC 8

	of Manipuri Culture(from 18th to 20th century onwards) MSL-HC 704: Folkloristics & Manipuri Folklore	Lamabam Kamal Life & works MSL.HE- 702/: General Characteristics and Development on Manipuri Language MSL HE-702/: Wari Macha	Modern Manipuri Literature			
Year IV (Level 8) total credits : 2 Sem. x 24 = 48						
7	MSL-HC 801: Indian Literary Criticism MSL-HC 802: Western Literary Criticisms	MSL-HE 801/: Hijam Anganghal Life & works MSL.-HE-801/: History of Literary Culture MSL. HE-801/: Genres of Literature	MSL-HG 801: Manipuri Folk Literature			
8	MSL-HC 803: Research Methodology MSL-HC 804 Folklore Research and Field Method	MSL.-HE-802: Dissertation	MSL-HG 802: History of Manipuri Culture			
TOTAL : CC 18 courses for 108 credits; DSEC: 4 courses for 24 credits; GEC: 6 courses for 36 credits; SEC: 2 courses for 8 credits; AECC: 2 courses for 8 credits; VAC: 8 courses for 16 credits (altogether 40 courses/ papers & 200 Credits)						

- Award of Bachelor's Degree with Honours in a Discipline on completion of courses equal to minimum 182 credits in 4 years.
- Award of Bachelor's Degree with pass certificate in a Discipline on completion of courses equal to minimum 140 credits in 3 years
- Award of Bachelor's with Diploma in a Discipline on completion of courses equal to minimum 96 credits in 2 years.
- Award of Bachelor's with Certificate in a Discipline on Completion of courses equal to minimum 46 credits in 1 year.

***Abbreviation:**

MSL = Manipuri Second Language
VAC (1,2) = Value Addition Courses
HE (DSEC) = Discipline Specific Elective Course
HG (GEC) = Generic Elective Course
MAN- AE (AECC) = Ability Enhancement Compulsory Course
SEC- Skill Enhancement Courses.

ORIENTAL COLLEGE (AUTONOMOUS), IMPHAL
4- YEAR UG PROGRAMME STRUCTURE, MANIPURI (HONS)

Year I (Level 5) total credits : 2 Sem. X 24 = 48						
Sem	CC (18 courses x 5 credit each)	DSEC(4 courses x 6 credit each)	GEC (5 courses x 6 credit each)	SEC (2 courses x 4 credit each)	AECC (2 courses x 4 credit each)	VAC (8 courses x 2 credit each)
1	MSL–HC 501			MSL -SE 501	MAN-AE-1	VAC 1
	MSL-HC502					VAC2
2	MSL–HC 503			MSL -SE 502	EVS-AE -2	VAC 3
	MSL -HC504					VAC4
Year II (Level 6) total credits : 2 Sem. x 26 = 52						
3	MSL–HC 601		MSL -HG 601			VAC 5
	MSL -HC 602					
	MSL -HC 603					
4	MSL–HC 604		MSL -HG 602			VAC 6
	MSL –HC 605					
	MSL –HC 606					
Year III (Level 7) total credits : 2 Sem. x 26 = 52						
5	MSL -HC 701	MSL -HE 701/ MSL -HE 701/ MSL -HE 701	MSL -HG 701			VAC 7
	MSL -HC 702					
6	MSL -HC 703	MSL -HE 702/ MSL -HE 702/ MSL -HE 702	MSL -HG 702			VAC 8
	MSL -HC 704					
Year IV (Level 8) total credits : 2 Sem. x 24 = 48						
7	MSL -HC 801	MSL -HE 801/ MSL -HE 801/ MSL -HE 801	MSL -HG 801			
	MSL -HC 802					
8	MSL -HC 803	MSl -HE 802 Dissertation	MSL -HG 802			
	MSL -HC 804					

TOTAL: CC 18 courses for 108 credits; DSEC: 4 courses for 24 credits; GEC: 6 courses for 36 credits; SEC: 2 courses for 8 credits; AECC: 2 courses for 8 credits; VAC: 8 courses for 16 credits (altogether 40 courses/ papers & 200 Credits)

- Award of Bachelor's Degree with Honours in a Discipline on completion of courses equal to minimum 182 credits in 4 years.
- Award of Bachelor's Degree with pass certificate in a Discipline on completion of courses equal to minimum 140 credits in 3 years
- Award of Bachelor's with Diploma in a Discipline on completion of courses equal to minimum 96 credits in 2 years.

- Award of Bachelor's with Certificate in a Discipline on Completion of courses equal to minimum 46 credits in 1 year.
-

***Abbreviation:**

MSL = Manipuri Second Language

VAC (1, 2) = Value Addition Courses

HE (DSEC) = Discipline Specific Elective Course

HG (GEC) = Generic Elective Course

MAN- AE (AECC) = Ability Enhancement Compulsory Course

SEC- Skill Enhancement Courses.

Manipuri Department

Course Structure of B.A. Manipuri (Hons)

Sl. No.	Course Components	No. of course
1.	Core Course (MLS-CC)	18
2.	Ability Enhancement Compulsory Course (AECC)	2
3.	Skill Enhancement Course (MSL-SEC)	2
4.	Value Addition Course (MSL- VAC)	8
5.	Generic Course (MSL -HG)	6
6.	Discipline Specific Elective Course (HE -DSEC)	4

Programme Structure

Part	Year	Semester	Semester
1	First Year	Semester- I	Semester- II
2.	Second Year	Semester – III	Semester IV
3.	Third Year	Semester- V	Semester- VI
4.	Fourth Year	Semester- VII	Semester- VIII

Department of Mathematics, Oriental College (Autonomous), Imphal

Course Structure

SEMESTER – WISE DISTRIBUTION OF COURSES

A. Discipline Specific Core Courses: (DSC).

Sl.No.	CC Paper Code	Semester	Course Name
1	MAT-HC-501	I	Calculus
2	MAT-HC-502	I	Algebra , Complex Trigonometry & Logic
3	MAT-HC-503	II	Real Analysis
4	MAT-HC-504	II	Differential Equations
5	MAT-HC-601	III	Theory of Real Functions
6	MAT-HC-602	III	Computer Science & Programming in C
7	MAT-HC-603	III	Multivariate Calculus
8	MAT-HC-604	IV	Partial Differential Equations
9	MAT-HC-605	IV	Riemann Integration
10	MAT-HC-606	IV	Numerical Analysis
11	MAT-HC-701	V	Metric Spaces
12	MAT-HC-702	V	Mechanics(Dynamics & Statics)
13	MAT-HC-703	VI	Complex Analysis
14	MAT-HC-704	VI	Group, Ring Theory and Linear Algebra
15	MAT-HC-801	VII	Laplace Transform & Vectors
16	MAT-HC-802	VII	Advanced Real Analysis
17	MAT-HC-803	VIII	Probability Theory
18	MAT-HC-804	VIII	Mathematical Modelling

B. Discipline Specific Elective Courses(DSE):

Sl. No.	DSE Paper Code	Semester	DSE Name
1.	MAT-HE-701	V	Information Security/Spherical Trigonometry & Astronomy/Advanced Computational Mathematics Laboratory
.2	MAT-HE-702	VI	Graph Theory /Linear Programming and its applications
3	MAT-HE – 801	VII	Geometry(two & Three Dimensions) /Special Theory of Relativity/ Cryptography
4	MAT – HE – 802	VIII	Rigid Dynamics & Tensor/Higher Mechanics/Fluid Mechanics/Research Projects.

C. Skill Enhancement Courses (SEC):

Sl No.	DSE Paper Code	Semester	SEC Name
1.	MAT- SE -501	I	La*TeX* /Computational Mathematics Laboratory
2	MAT -SE-502	II	Python Programming / Computer Algebra Systems and Related Software

- **Practical/Tutorials/Projects and FieldWork to be decided by the Department.**

D.Ability Enhancement Compulsory Courses:

Sl No.	AECC Paper Code	Semester	AECC Name
1.	GEN- AE 1	I	English/MIL
2.	EVS- AE -2	II	Environmental Science

E.Generic Elective Courses:

Sl.No.	GEC PaperCode	Semester	GEC Name
1.	MAT-HG-601	III	Quantitative Aptitude
2.	MAT-HG-602	IV	Basic Tools of Mathematics
3.	MAT-HG-701	V	Sets, Determinants and Logic
4.	MAT- HG-702	VI	Analytical Geometry of Two & Three Dimensions
5.	MAT- HG-801	VII	Elements of Probability
6.	MAT-HG-802	VIII	Mechanics

F. Value Addition Courses:

Sl.No	VAC Paper Code	Semester	VAC Name
1.	VAC-1	I	---
2.	VAC-2	I	---
3.	VAC-3	II	---
4.	VAC-4	II	---
5.	VAC-5	III	---
6.	VAC-6	IV	---
7.	VAC-7	V	---
8.	VAC-8	VI	---

Department of Mathematics, Oriental College (Autonomous), Imphal

Contents of Courses for B.A./B.Sc. degree with honours in Mathematics
Under Choice Based Credit System

Award of Bachelor of Arts (B. A.) / Science (B. Sc.) Mathematics (Honours)

Semester	Course	Course Code	Course Name	Credits	Remarks
I	Core (CC)	MAT-HC-501	Calculus (Theory)	4+2=6	Compulsory
		MAT-HC-501 (P)	Calculus (Practical)		
		MAT-HC-502	Algebra , Complex Trigonometry&Logic (Theory with tutorial)	5+1=6	
	Skill Enhancement (SEC)	MAT-SE-501	LaTeX / Computational Mathematics Laboratory (Theory)	3+1=4	Compulsory
		MAT-SE-501(P)	LaTeX /Computational Mathematics Laboratory (Practical)		
	Ability Enhancement (AECC)	GEN-AE-1	General English	3+1=4	Choose any one & Compulsory
		GMA- AE -1	General Manipuri (MIL)		
	Value Addition (VAC)	VAC - 1	-	2	Compulsory
		VAC - 2		2	
II	Core (CC)	MAT-HC-503	Real Analysis (Theory with tutorial)	5+1=6	Compulsory
		MAT-HC-504	Differential Equations (Theory)	4+2=6	
		MAT-HC-504(P)	Differential Equations (Practical)		
	Skill Enhancement (SEC)	MAT-SE-502	Python Programing / Computer Algebra Systems and Related Software (Theory)	3+1=4	Compulsory
		MAT-SE-502(p)	Python Programing / Computer Algebra Systems and Related Software (Practical)		
	Ability Enhancement	EVS – AE- 2	Environmental Science	3+1=4	

	(AECC		**(Theory with tutorial)**		**Compulsory**
	Value Addition (VAC)	**VAC - 3**	**-**	**2**	
		VAC - 4		**2**	
III	**Core (CC)**	**MAT-HC-601**	**Theory of Real Functions (Theory with tutorial)**	**5+1=6**	**Compulsory**
		MAT-HC-602	**Computer Science & Programing**	**4+2=6**	
		MAT-HC-603	**Multivariate Calculus (Theory with tutorial)**	**5+1=6**	
	Generic Elective (GEC)	**MAT-HG-601**	**Quantitative Aptitude (Theory with tutorial)**	**5+1=6**	**For the students of other discipline**
	Value Addition (VAC)	**VAC - 5**	**--**	**2**	**Compulsory**
IV	**Core (CC)**	**MAT-HC-604**	**Partial Differential Equations (Theory with tutorial)**	**5+1=6**	**Compulsory**
		MAT-HC-605	**Riemann Integration (Theory with tutorial)**	**5+1=6**	
		MAT-HC-606	**Numerical Analysis (Theory)**	**4+2=6**	
		MAT-HC-606(P)	**Numerical Analysis (Practical)**		
	Generic Elective (GEC)	**MAT-HG-602**	**Basic Tools of Mathematics**	**5+1=6**	For the students of other discipline
	Value Addition (VAC)	**VAC - 6**	**-**	**2**	
V	**Core (CC)**	**MAT-HC-701**	**Metric Spaces (Theory with tutorial)**	**5+1=6**	**Compulsory**
		MAT-HC-702	**Mechanics (Theory with tutorial)**	**5+1=6**	
	Discipline Specific Elective (DSEC)	**MAT-HE-701**	**Information Security/ Spherical Trigonometry and Astronomy/Advanced computational Mathematics Laboratory**	**5+1=6**	**Compulsory**
	Generic Elective (GEC)	**MAT-HG-701**	**Sets,Determinants & Logic (Theory with tutorial)**	**5+1=6**	For the students of

					other discipline
	Value Addition (VAC)	**VAC - 7**	**-**	**2**	**Compulsory**
VI	**Core (CC)**	**MAT-HC-703**	**Complex Analysis (Theory with tutorial)**	**5+1=6**	**Compulsory**
		MAT-HC-704	**Group, Ring Theory and Linear Algebra (Theory with tutorial)**	**5+1=6**	
	Discipline Specific Elective (DSEC)	**MAT-HE-702**	**Graph Theory/ Linear Programming and its applications**	**5+1=6**	**Compulsory**
	Generic Elective (GEC)	**MAT-HG-702**	**Analytical Geometry of Two & Three Dimensions (Theory with tutorial)**	**5+1=6**	For the students of other discipline
	Value Addition(VAC)	**VAC - 8**	**-**	**2**	**Compulsory**
VII	**Core (CC)**	**MAT-HC-801**	**Laplace Transform & Vector Analysis (Theory with tutorial)**	**5+1=6**	**Compulsory**
		MAT-HC-802	**Advanced Real Analysis (Theory with tutorial)**	**5+1=6**	
	Discipline Specific Elective (DSEC)	**MAT-HE-801**	**Geometry(Two & Three Dimensions)/Special Theory of Relativity/ Cryptography (Theory with tutorial)**	**5+1=6**	**Choose any one & Compulsory**
	Generic Elective (GEC)	**MAT-HG-801**	**Elements of Probability (Theory with tutorial)**	**5+1=6**	For the students of other discipline
	Core (CC)	**MAT-HC-803**	**Probability Theory (Theory with tutorial)**	**5+1=6**	**Compulsory**
		MAT-HC-804	**Mathematical Modelling**	**5+1=6**	

VIII			**(Theory with tutorial)**		
	Discipline Specific Elective **(DSEC)**	**MAT-HE-802**	**Rigid Dynamics & Tensor/HigherMechanics/Fluid Mechanics (Theory with tutorial**	**5+1=6**	**Choose any one & Compulsory**
			Research Project (Theory /Practical)	**6**	
	Generic Elective (GEC)	**MAT-HG-802**	**Mechanics (Theory with tutorial)**	**5+1=6**	**Compulsory**

Contents

Scheme for Choice Based Credit System (CBCS) in B.A (Honours), Political Science

DEPARTMENT OF POLITICAL SCIENCE LOCF and CBCS COURSE STRUCTURE AS PER NEP 2020 July 2022						
YEAR 1 (LEVEL 5) TOTAL CREDITS: 2 SEMESTERS X 24 CREDITS = 48 CREDITS						
Semester	**CC (18 Courses x 6 Credits each**	**DSEC* (4 Courses x 6 Credits each**	**GEC* (6 Courses x 6 Credits each)**	**SEC* (2 Courses x 4 Credits each)**	**AECC (2 Courses x 4 Credits each)**	**VAC (8 Courses x 2 Credits each)**
I	• **PSC HC 501** Understanding Political Theory • **PSC HC 502** Constitutional Government and Democracy in India			**PSC SE 501:** Parliamentary Procedures and Practices ***Or*** Peace and Conflict Resolution ***Or*** Public Opinion and Survey Research	**GEN-AE 1** ***Or*** **MAN-AE 1**	**VAC 1** **VAC 2**
II	• **PSC HC 503** Political Theory- Concepts and debates • **PSC HC 504** Political Process in India			**PSC SE 502:** Parliamentary Procedures and Practices ***Or*** Peace and Conflict Resolution ***Or*** Public Opinion and Survey Research	**EVS-AE 2**	**VAC 3** **VAC 4**

YEAR-II (LEVEL 6) TOTAL CREDITS: 2 SEMESTERS X 26 CREDITS = 52 CREDITS						
Semester	**CC (18 Courses x 6 Credits each**	**DSEC (4 Courses x 6 Credits each**	**GEC (6 Courses x 6 Credits each)**	**SEC (2 Courses x 4 Credits each)**	**AECC (2 Courses x 4 Credits each)**	**VAC (8 Courses x 2 Credits each)**

III	• **PSC HC 601** Introduction to Comparative Government and Politics • **PSC HC 602** Perspectives on Public Administration • **PSC HC 603** Perspectives on International Relations and World History		**PSC HG 601: (any one of the following)** • Nationalism in India • Indian Government and Politics • Contemporary Political Economy • Governance: Issues and Challenges • Gandhi and the Contemporary World • Feminism: Theory and Practice • Politics of Globalization • United Nations and Global Conflicts			**VAC 5**
IV	• **PSC HC 604** Political Processes and Institutions in a Comparative Perspective • **PSC HC 605** Public Policy and Administration in India • **PSC HC 606** India's Foreign Policy		**PSC HG 602 (any one of the following)** • Nationalism in India • Indian Government and Politics • Contemporary Political Economy • Governance: Issues and Challenges • Gandhi and the Contemporary World • Feminism: Theory and Practice • Politics of Globalization • United Nations and Global Conflicts			**VAC 6**

YEAR-III (LEVEL 7) TOTAL CREDITS: 2 SEMESTERS X 26 CREDITS = 52 CREDITS						
Semester	**CC (18 Courses x 6 Credits each**	**DSEC (4 Courses x 6 Credits each**	**GEC (6 Courses x 6 Credits each)**	**SEC (2 Courses x 4 Credits each)**	**AEC C (2 Courses x 4 Credits each)**	**VAC (8 Courses x 2 Credits each)**
V	• **PSC HC 701** Classical Political Philosophy • **PSC HC 702** Indian Political Thought -I	**PSC HE 701 (any one of the following)** • Human Rights in a Comparative Perspective • Citizenship in a Globalizing World • Public Policy in India • Understanding Global Politics • Understanding South Asia • Social Movements in North east India	**PSC HG 701 (any one of the following)** • Nationalism in India • Indian Government and Politics • Contemporary Political Economy • Governance: Issues and Challenges • Gandhi and the Contemporary World • Feminism: Theory and Practice • Politics of Globalization • United Nations and Global Conflicts			**VAC 7**
VI	• **PSC HC 703** Modern Political Philosophy • **PSC HC 704** Indian Political Thought -II	**PSC HE 702 (any one of the following)** • Human Rights in a Comparative Perspective • Citizenship in a Globalizing World • Public Policy in India	**PSC HG 702 (any one of the following)** • Nationalism in India • Indian Government and Politics • Contemporary Political Economy • Governance: Issues and Challenges • Gandhi and the			**VAC 8**

		• Understanding Global Politics • Understanding South Asia • Social Movements in North East India	Contemporary World • Feminism: Theory and Practice • Politics of Globalization • United Nations and Global Conflicts			

YEAR-IV (LEVEL 8) TOTAL CREDITS: 2 SEMESTERS X 24 CREDITS = 48 CREDITS						
Semester	**CC (18 Courses x 6 Credits each**	**DSEC (4 Courses x 6 Credits each**	**GEC (6 Courses x 6 Credits each)**	**SEC (2 Courses x 4 Credits each)**	**AEC (2 Courses x 4 Credits each)**	**VAC (8 Courses x 2 Credits each)**
VII	• **PSC HC 801** Government and Politics of North East India • **PSC HC 802** Research Methodology	**PSC HE 801 (any one of the following)** • Human Rights in a Comparative Perspective • Citizenship in a Globalizing World • Public Policy in India • Understanding Global Politics • Understanding South Asia • Social Movements in North East India	**PSC HG 801 (any one of the following)** • Nationalism in India • Indian Government and Politics • Contemporary Political Economy • Governance: Issues and Challenges • Gandhi and the Contemporary World • Feminism: Theory and Practice • Politics of Globalization			

			• United Nations and Global Conflicts			
VIII	• **PSC 803** Gandhian Studies • **PSC 804** State Politics in Manipur	**PSC HE 802** Dissertation Paper	**PSC HG 802 (any one of the following)** • Nationalism in India • Indian Government and Politics • Contemporary Political Economy • Governance: Issues and Challenges • Gandhi and the Contemporary World • Feminism: Theory and Practice • Politics of Globalization • United Nations and Global Conflicts			

* No student shall opt for a DSEC, GEC and SEC paper more than once in any semester during the course of their Under Graduate course.

Semester wise Course and Credit details

Sem↓	Course	Course code	Title	Credits	Remarks
1	Core course 1	ZOO-HC 501	Non-chordates 1: Protista to Pseudocoelomates	4	Compulsory
	Core course 1 practical	ZOO-HC 501P	,,	2	
	Core course 2	ZOO-HC 502	Principles of Ecology	4	
	Core course 2 practical	ZOO-HC 502P	,,	2	
	Skill Enhancement Course 1	ZOO-SE 501	Apiculture / Aquarium Fish keeping	4	It can choose any one from the given courses
	Ability Enhancement	GEN-AE-1/ MAN-AE-1	English / MIL Communication	4	Compulsory
	Value Addition Course 1	VAC 1	---	2	Compulsory (choose any one)
	Value Addition Course 2	VAC 2	---	2	Compulsory (choose any one)
Credits of first semester				24	
2	Core course 3	Zoo -HC 503	Non-chordates II: Coelomates	4	Compulsory
	Core course 3 practical	ZOO-HC 503 P	,,	2	
	Core course 4	ZOO-HC 504	Cell Biology	4	
	Core course 4 practical	ZOO-HC 504 P	,,	2	
	Skill Enhancement Course 2	ZOO-SE 502	Sericulture / Medical Diagnostics	4	It can choose any one from the given courses
	Ability Enhancement	EVS-AE 2	Environmental Science	4	Compulsory
	Value Addition Course 3	VAC 3	---	2	Compulsory (choose any one)
	Value Addition Course 4	VAC 4	---	2	Compulsory (choose any one)
Credits of second semester				24	
3	Core course 5	ZOO-HC 601	Diversity of Chordates	4	Compulsory
	Core course 5 practical	ZOO-HC 601 P	,,	2	
	Core course 6	ZOO-HC 602	Physiology: Controlling and Coordinating Systems	4	
	Core course 6 practical	ZOO-HC 602 P	,,	2	
	Core course 7	ZOO-HC 603	Fundamentals of Biochemistry	4	
	Core course 7 practical	ZOO-HC 603 P	,,	2	
	Generic Elective 1	ZOO-HG 601	Animal Diversity	4	It can choose from other disciplines other than Zoology available in the college
	Generic Elective 1 practical	ZOO-HG 601 P	,,	2	
	Value Addition Course 5	VAC 5	---	2	Compulsory (choose any one)
	Credits of third semester			26	

4	Core course 8	ZOO-HC 604	Comparative Anatomy of Vertebrates	4	Compulsory
	Core course 8 practical	ZOO-HC 604 P	,,	2	
	Core course 9	ZOO-HC 605	Physiology: Life Sustaining systems	4	
	Core course 9 practical	ZOO-HC 605 P	,,	2	
	Core course 10	ZOO-HC 606	Biochemistry of Metabolic processes	4	
	Core course 10 practical	ZOO-HC 606 P	,,	2	
	Generic Elective 2	Zoo -HG 602	Human Physiology	4	It can choose from other disciplines other than Zoology available in the college
	Generic Elective 2 practical	ZOO-HG 602 P	,,	2	
	Value Addition Course 6	VAC 6	---	2	Compulsory (choose any one)
	Credits of fourth semester			26	
5	Core course 11	ZOO-HC 701	Molecular Biology	4	Compulsory
	Core course 11 practical	ZOO-HC 701 P	,,	2	
	Core course 12	ZOO-HC 702	Principles of Genetics	4	
	Core course 12 practical	ZOO-HC 702 P	,,	2	
	Discipline Specific Elective 1	ZOO-HE 701/ ZOO-HE 701/ ZOO-HE 701	Fish & Fisheries / Biology of Insecta / Microbiology	4	Compulsory (Choose any one)
	Discipline Specific Elective1Practical	ZOO-HE 701P/ ZOO-HE 701P/ ZOO-HE 701P	,,	2	
	Generic Elective 3	ZOO-HG 701	Environment and Public Health	4	It can choose from other disciplines other than Zoology available in the college
	Generic Elective 3 practical	ZOO-HG 701 P	,,	2	
	Value Addition Course 7	VAC 7	---	2	Compulsory (choose any one)
	Credits of fifth semester			26	
6	Core course 13	ZOO-HC 703	Developmental Biology	4	Compulsory
	Core course 13 practical	ZOO–HC 703P	,,	2	
	Core course 14	ZOO-HC 704	Evolutionary Biology	4	
	Core course 14 practical	ZOO-HC 704 P	,,	2	
	Discipline Specific Elective 2	ZOO-HE 702/ ZOO-HE 702/ ZOO-HE 702	Parasitology/ Reproductive Biology/ Biotechniques	4	Compulsory (choose any one)
	Discipline Specific Elective 2 practical	ZOO-HE702 P/ ZOO-HE702 P/ ZOO-HE 702 P	,,	2	

	Generic Elective 4	ZOO-HG 702	Insect vectors and diseases	4	It can choose from other disciplines other than Zoology available in the college
	Generic Elective 4 practical	ZOO-HG 702 P	,,	2	
	Value Addition Course 8	VAC 8	---	4	Compulsory (choose any one)
Credits of sixed semester				26	
7	Core course 15	ZOO-HC 801	Animal Biotechnology	4	Compulsory
	Core course 15 practical	ZOO-HC 801 P	,,	2	
	Core course 16	ZOO-HC 802	Immunology	4	
	Core course 16 practical	ZOO-HC 802 P	,,	2	
	Discipline Specific Elective 3	ZOO-HE 801/ ZOO-HE 801/ ZOO-HE 801	Endocrinology/ Wild life Conservation & Management/ Research Methodology	4	Compulsory (Choose any one)
	Discipline Specific Elective 3 practical	ZOO-HE 801P/ ZOO-HE 801P/ ZOO-HE 801P	,,	2	
	Generic Elective 5	ZOO-HG 801	Aquatic Biology	4	Compulsory
	Generic Elective 5 practical	ZOO-HG 801P	,,	2	
Credits of seventh semester				24	
8	Core course 17	ZOO-HC 803	Animal behaviour and Chronobiology	4	Compulsory
	Core course 17 practical	ZOO-HC 803 P	,,	2	
	Core course 18	ZOO-HC 804	Biostatistics and Bioinformation	4	
	Core course 18 practical	ZOO-HC 804 P	,,	2	
	Discipline Specific Elective 4	ZOO-HE 802	Dissertation		Compulsory
	Generic Elective 6	Zoo-HG 802	Animal cell Biotechnology		Compulsory
	Generic Elective 6 practical	ZOO-HG 802 P	,,		
Credits of eighth semester				24	

HONOURS CORE COURSES	
CC I	Non-chordates I: Protista to Pseudocoelomates
CC II	Perspectives in Ecology
CC III	Non-chordates II: Coelomates
CC IV	Cell Biology
CC V	Diversity of Chordates
CC VI	Physiology: Controlling and Coordinating Systems
CC VII	Fundamentals of Biochemistry
CC VIII	Comparative Anatomy of Vertebrates
CC IX	Physiology: Life Sustaining Systems
CC X	Biochemistry of Metabolic Processes
CC XI	Molecular Biology
CC XII	Principles of Genetics
CC XIII	Developmental Biology
CC XIV	Evolutionary Biology
CC XV	Animal Biotechnology
CC XVI	Immunology
CC XVII	Animal behaviour (Ethology) and Chronobiology
CC XVIII	Biostatistics and Bioinformation

DISCIPLINE SPECIFIC ELECTIVE COURSES	
DSE 1	Fish and Fisheries
DSE 2	Biology of Insecta
DSE 3	Microbiology
DSE 4	Parasitology
DSE 5	Reproductive Biology
DSE 6	Biotechniques
DSE 7	Endocrinology
DSE 8	Wild Life Conservation and Management
DSE 9	Research Methodology

GENERIC ELECTIVE COURSES	
GE 1	Animal Diversity
GE 2	Human Physiology
GE 3	Environment and Public Health
GE 4	Insect vectors and diseases
GE 5	Aquatic biology
GE 6	Animal cell biotechnology

SKILL ENHANCEMENT COURSES	
SEC 1	Apiculture
SEC 2	Aquarium Fish Keeping
SEC 3	Sericulture
SEC 4	Medical Diagnostics