

**GOA UNIVERSITY**  
**Taleigao Plateau, Goa 403 206**

**A G E N D A**

**For the 16<sup>th</sup> Meeting of the**  
**VIII ACADEMIC COUNCIL**

**Day & Date**

**18<sup>th</sup> December 2015**

**Time**

**10.30 a.m.**

**Venue**  
**COUNCIL HALL**  
**Administration Block**

D 3.9	<p><b>Minutes of the meeting of Board of Studies in History held on 04/09/2015</b></p> <p>The Academic Council approved the minutes of the meeting of the Board of Studies in History held on 04/09/2015.</p> <p>(Action: AR-PG)</p>
D 3.10	<p><b>Minutes of the meeting of Board of Studies in Computer Science and Technology (PG) held on 26/06/2015</b></p> <p>The Academic Council approved the minutes of the meeting of the Board of Studies in Computer Science and Technology (PG) held on 26/06/2015 with the following observations:</p> <ol style="list-style-type: none"> <li>1. A separate agenda item regarding M.Tech Course is proposed to be discussed in the meeting of the House. In view of this the Academic Council did not approve the BOS recommendations related to M.Tech course.</li> <li>2. The proposal (Part A (d)) entitled "Proposal to use courses under NPTEL/MOOC as part of in-semester evaluation" was not approved. It was felt that clarity is needed on how the NPTEL/MOOC courses are to be used.</li> </ol> <p>(Action: AR-PG)</p>
D 3.11	<p><b>Minutes of the meeting of Board of Studies in Chemistry (PG) held on 04/09/2015</b></p> <p>The Academic Council approved the minutes of the meeting of the Board of Studies in Chemistry (PG) held on 04/09/2015 along with the Master Panel of Examiners.</p> <p>(Action: AR-PG)</p>
D 3.12	<p><b>Minutes of the meeting of Board of Studies in Biotechnology held on 05/08/2015</b></p> <p>The Academic Council approved the minutes of the meeting of the Board of Studies in Biotechnology held on 05/08/2015.</p> <p>(Action: AR-PG)</p>
D 3.13	<p><b>Minutes of the meeting of Board of Studies in Nursing held on 06/08/2015</b></p> <p>The Academic Council approved the minutes of the meeting of the Board of Studies in Nursing held on 06/08/2015 with the following observations:</p> <ol style="list-style-type: none"> <li>1. Form A-3 was approved with an addition to point No. 13 i.e. "Total teaching experience in years specifying the period" [Type of Service (Permanent or Temporary)] should be added to the form.</li> <li>2. Pending finalization of the minutes, the Academic Council approved the processing of the applications for recognition of teachers submitted by the Nursing College.</li> <li>3. Master Panel of Examiners (UG and PG in Nursing) was approved.</li> </ol> <p>(Action: AR-PG)</p>

	<p>The Chairman pointed out that prerequisites are essential in case of optional courses as many of them have been designed by Faculty members of the Department depending upon their own research experience and expertise. It was also pointed out that most of the courses at Part-I and II level have already been designed in hierarchical manner to suit the needs of students admitted to M Sc Chemistry specializations. After a discussion, it was decided to resolve as follows.</p> <p>Resolved to recommend that 'the students who have undergone class instructions at Semester I in the subject of Chemistry can select a suitable optional course at Semester II level. Semester III or IV level optional courses may be selected by students who have attended the core course instructions in Chemistry at Part-I level'. It was further resolved to recommend that 'for students who do not have sufficient chemistry background as defined above, the Department Council of Chemistry may examine such cases and conduct appropriate tests if required, in order to assess the suitability of such students for admitting them to the optional courses they want'.</p> <p><b>PART D &amp; E:</b> NIL</p> <p><b>PART F: <u>Important points for consideration / approval of Academic council</u></b></p> <p>i. <b>PART (ii), and Part B(iv)</b></p> <p>ii. <i>The declaration by the Chairman</i> <b>Hereby, it is declared that the minutes were read out by the chairman at the meeting itself.</b></p> <p style="text-align: right;">Sd/- Prof. B. R. Srinivasan Chairman, BOS in Chemistry</p> <p><b>PART G: <i>The remarks of the Dean of the Faculty</i></b></p> <p>i. The minutes are in order</p> <p>ii. The following important points / recommendations of BoS may be considered / approved by the Academic council. <b>Attention of the Academic Council is drawn to item Nos. PART A (ii), Part B (iv)</b></p> <p>iii. May be recommended for approval of the Academic council</p> <p>iv. Special remarks if any.</p> <p>Date: 7/9/2015 Place: Goa University</p> <p style="text-align: right;">Sd/- Prof. A. V. Salker Dean, FNS</p> <p style="text-align: right;"><a href="#">(Back to Index)</a></p>
D 3.12	<p><b>Minutes of the meeting of Board of Studies in Biotechnology held on 05/08/2015</b></p> <p><b>Part A.</b></p> <p>i. Recommendations regarding courses of study in the subject or group of subjects at the undergraduate level:</p>

- ii. Recommendations regarding courses of study in the subject or group of subjects at the postgraduate level:

**Re-distribution of C/O credits for the M.Sc. Programmes of the Department to fall in line with Ordinance OA-18. Annexure –A. (Refer page nos 40-42)**

**Part B**

- i. Scheme of Examinations at undergraduate level: ---
- ii. Panel of examiners for different examinations at the undergraduate level: ---
- iii. Scheme of Examinations at postgraduate level: ---
- iv. Panel of examiners for different examinations at post-graduate level: ---

**Part C**

Recommendations regarding preparation and publication of selection of reading material in the subject or group of subjects and the names of the persons recommended for appointment to make the selection:

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**Part D**

- i. Recommendation regarding general academic requirements in the Departments of University or affiliated colleges.
  - **The Departmental Council may go ahead with its proposal for an early syllabus revision of the M.Sc. Programmes of the Department.**
  - **A meeting of college teachers to be organized by BoS member Dr. Valerie for clarifications in following the UG Biotechnology syllabus uniformly.**
- ii. Recommendations of the Academic Audit Committee and status thereof:

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**Part E.**

- i. Recommendations of the text books for the course of study at undergraduate level: ---
- ii. Recommendations of the text books for the course of study at post graduate level:

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	<p><b>Part F.</b></p> <p><u>Important points for consideration/ approval of Academic Council</u></p> <p>i. The important points/recommendations of BoS that require consideration/approval of Academic Council (points to be highlighted) as mentioned below</p> <p style="text-align: center;"><b>Re-distribution of C/O credits for the M.Sc. Programmes of the Department to fall in line with Ordinance OA-18. [ Annexure- A, for approval ].</b></p> <p>The declaration by the Chairperson that the minutes were readout by the Chairman at the meeting itself.</p> <p>Date: 14 Aug 2015 <span style="float: right;">Sd/-</span></p> <p>Place: Goa University <span style="float: right;">Signature of the Chairperson.</span></p> <p><b>Part G.</b> The Remarks of the Dean of the faculty</p> <p>i) The minutes are in order</p> <p>ii) The minutes may be placed before the Academic Council with remarks if any.</p> <p>iii) May be recommended for approval of Academic Council.</p> <p>iv) Special remarks if any.</p> <p>Date: 18/8/2015 <span style="float: right;">Sd/-</span></p> <p>Place: Goa University <span style="float: right;">Signature of the Dean</span></p> <p style="text-align: right;"><a href="#">(Back to Index)</a></p>
<p><b>D 3.13</b></p>	<p><b>Minutes of the meeting of Board of Studies in Nursing held on 6/8/2015</b></p> <p><b>Part A (i) Recommendations regarding courses of study in the subject or group of subjects at the undergraduate level:</b></p> <ul style="list-style-type: none"> <li>• Environmental studies to be integrated in the following courses: Nutrition, Sociology, Community Health Nursing I and Community Health Nursing II.</li> <li>• Change in placement of courses as follows: <ul style="list-style-type: none"> <li>· Nursing Research and Statistics (theory hours) to be shifted from 4<sup>th</sup> to 3<sup>rd</sup> year</li> <li>· Community Health Nursing II (theory and practical) to be shifted from 4<sup>th</sup> to 3<sup>rd</sup> year.</li> <li>· Midwifery and Obstetric Nursing (theory and practical) to be shifted from 3<sup>rd</sup> to 4<sup>th</sup> year.</li> <li>· Nursing Research and Statistics (practical hours) to be retained in the 4<sup>th</sup> year.</li> </ul> </li> </ul> <p><b>Part A (ii) Recommendations regarding courses of study in the subject or group of</b></p>

**Item D 3.12 Minutes of the meeting of Board of Studies in Biotechnology held on 5/8/2015**

**Annexure –A (BoS- Biotechnology)**  
**M.Sc. Marine Biotechnology Syllabus Scheme (97 Credits available)**  
**CORE COURSES**

Course Code	Name of the Course	No. of Credits	Course Level
MBT 103	PRINCIPLES OF GENETICS & MOLECULAR BIOLOGY	3	100
MBT 104	PRINCIPLES OF OCEANOGRAPHY	2	100
MBL 103	LAB IN MOLECULAR GENETICS	2	100
MBT 111	THE MARINE ECOSYSTEM	2	100
MBT 112	INTRODUCTORY IMMUNOLOGY	3	100
MBT 211	CELL & DEVELOPMENTAL BIOLOGY	3	200
MBT 212	PLANT TISSUE CULTURE TECHNOLOGY	2	200
MBL 111	LAB IN MARINE BIOLOGY & CHEMISTRY	2	100
MBL 112	LAB IN IMMUNOLOGY	2	100
MBL114	LAB IN PLANT TISSUE CULTURE	1	100
MBT 221	BIOPROCESS & INDUSTRIAL BIOTECHNOLOGY	3	200
MBT 222	RECOMBINANT DNA TECHNOLOGY	3	200
MBT 223	ANIMAL CELL CULTURE	2	200
MBL 221	LAB IN FERMENTATION TECHNOLOGY	2	200
MBL 222	LAB IN RECOMBINANT DNA TECHNOLOGY	2	200
MBT 331	POTENTIAL APPLICATIONS OF MARINE ORGANISMS	3	300
MBT 231	AQUACULTURE TECHNOLOGY & MARINE PHARMACOLOGY	3	200
		<b>40</b>	

**OPTIONAL COURSES**

Course Code	Name of the Course	No. of Credits	Course Level
MBT 101	FUNDAMENTALS OF GENERAL AND MARINE MICROBIOLOGY	3	100
MBT 102	CONCEPTS IN BIOCHEMISTRY	3	100
MBT 105	BIostatISTICS	2	100
MBT 113	BIOINFORMATICS	2	100
MBL 101	LAB IN MARINE MICROBIOLOGY	2	100

MBL 102	LAB IN BIOCHEMISTRY	2	100
MBL 113	LAB IN BIOINFORMATICS	2	100
MBT 106	COMMUNICATION SKILLS & SCIENTIFIC WRITING	2	100
MBT 224	ENZYMOLOGY	3	200
MBT 225	MOLECULAR IMMUNOLOGY	3	200
MBL 121	LAB IN ANIMAL CELL CULTURE	2	100
MBL 223	LAB IN ENZYME CHARACTERIZATION	2	200
MBT 332	APPLICATIONS OF RECOMBINANT DNA TECHNOLOGY	3	300
MBT 232	BIOSAFETY & IPR	3	200
MBT 131	CELLULAR BIOPHYSICS	3	100
MBT 333	GENOMICS AND PROTEOMICS	3	300
MBM 131	SCUBA DIVING	2	100
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*MBM 111	SEMINAR PRESENTATIONS	1	100
*MBM 221	SUMMER TRAINING PRESENTATION & REPORT	1	200
*MBM 231	SEMINAR PRESENTATIONS	1	200
*MBM 222	DISSERTATION (MARINE BIOTECHNOLOGY) (Stage I)	4	200
*MBM 331	DISSERTATION (MARINE BIOTECHNOLOGY) (Stage II)	8	300

\*To be compulsorily opted for

**M.Sc. Biotechnology Syllabus Scheme (89 Credits available)**

**CORE COURSES**

No. of credits	Name of the Course	No of Credits	Course Level
GBT 101	Fundamentals of Microbiology	3	100
GBT 102	Concepts in Biochemistry	3	100
GBT 103	Principles of Genetics & Molecular Biology	3	100
GBT 104	Bioinstrumentation	2	100
GBL 101	Lab in Microbiology	2	100
GBL 102	Lab in Biochemistry	2	100
GBL 103	Lab in Molecular Genetics	2	100
GBT 111	Introductory Immunology	3	100
GBT 211	Cell & Developmental Biology	3	200
GBT 212	Plant Tissue Culture Technology	2	200

GBL 111	Lab in Immunology	2	100
GBL 113	Lab in Plant tissue culture	1	100
<b>GBT 213</b>	<b>Environmental Biotechnology</b>	<b>2</b>	<b>200</b>
GBT 221	Bioprocess & Industrial Biotechnology	3	200
GBT 222	Recombinant DNA Technology	3	200
GBT 223	Animal Cell Culture	2	200
GBL 222	Lab in Recombinant DNA Technology	2	200
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#### OPTIONAL COURSES

No. of credits	Name of the Course	No of Credits	Course Level
GBT 105	Biostatistics	2	100
<b>GBT 106</b>	<b>Scientific writing</b>	<b>1</b>	<b>100</b>
GBT 112	Bioinformatics	2	100
GBL 112	Lab in Bioinformatics	2	100
GBT 224	Enzymology	3	200
GBT 225	Molecular Immunology	3	200
GBL 121	Lab in Animal Cell Culture	2	100
<b>GBT 214</b>	<b>Food Biotechnology</b>	<b>2</b>	<b>200</b>
GBL 223	Lab in Enzyme Characterization	2	200
GBL 221	Lab in Fermentation technology	2	200
<b>GBT 121</b>	<b>Nanobiotechnology</b>	<b>2</b>	<b>100</b>
<b>GBT 331</b>	<b>Advances in Plant Biotechnology</b>	<b>3</b>	<b>300</b>
<b>GBT 332</b>	<b>Advances in Animal Biotechnology</b>	<b>3</b>	<b>300</b>
<b>GBT 131</b>	<b>Bioentrepreneurship</b>	<b>2</b>	<b>100</b>
GBT 231	Biosafety & IPR	3	200
		<b>34</b>	
<b>*GBM 111</b>	<b>Seminar Presentations</b>	<b>1</b>	<b>100</b>
<b>*GBM 221</b>	<b>Field Trips &amp; Report</b>	<b>1</b>	<b>200</b>
<b>*GBM 231</b>	<b>Seminar Presentations</b>	<b>1</b>	<b>200</b>
<b>*GBM 331</b>	<b>Dissertation</b>	<b>12</b>	<b>500</b>

\*To be compulsorily opted for

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