

GOA UNIVERSITY  
Taleigao Plateau, Goa 403 206

**REVISED MINUTES**

of the 4th Meeting of the

**X ACADEMIC COUNCIL**

**Day & Date**

**27<sup>th</sup> & 28<sup>th</sup> May 2021**

**Time**

**10.30 a.m.**

**Venue**

**Online via Google Meet**

	<p>After deliberation, the Academic Council opined that there was no need for the Board of Studies to pass a resolution as the B.Sc. in Agriculture was already recognised as a Professional Degree by the ICAR.</p> <p align="center"><b>(Action: Assistant Registrar Academic-PG)</b></p>
<b>D 3.2</b>	<p><b>Minutes of the meeting of the Sub-Board of Studies in Commerce (PG) held by email on 26/04/2021.</b></p> <p>The Academic Council approved the Minutes of the meeting of the Sub-Board of Studies in Commerce (PG) held by email on 26/04/2021 with the following observations:</p> <ol style="list-style-type: none"> <li>1. The applicability of the Syllabus to be indicated as “from the batch admitted in the academic year 2020-21 onwards”.</li> <li>2. Under Part A, Point 2 Semester III and I to be corrected as Semester III and IV.</li> <li>3. Online study material to be included in the Syllabus for the Courses.</li> <li>4. To adopt the recommendation of blended learning received from the UGC.</li> <li>5. Dissertation to be shown under both the Specializations.</li> </ol> <p>The House authorised the Vice-Chancellor to approve the Syllabus submitted by the Chairperson after incorporation of above changes. The House also congratulated the Chairperson, Board of Studies and his team for the good work.</p> <p align="center"><b>(Action: Assistant Registrar Academic -PG)</b></p>
<b>D 3.3</b>	<p><b>Minutes of the Online meeting of the Board of Studies in Pharmacy (PG) held on 22.04.2021.</b></p> <p>After deliberation, the Academic Council approved the Minutes of the Online meeting of the Board of Studies in Pharmacy (PG) held on 22.04.2021. The Chairperson Board of Studies was requested to examine if the approved recommendation would require a change in the Ordinance.</p> <p align="center"><b>(Action: Assistant Registrar Academic -PG)</b></p>
<b>D 3.4</b>	<p><b>Minutes of the Online meeting of Board of Studies in Marathi held on 18.03 2021.</b></p> <p>After deliberation, the Academic Council did not approve the Minutes of the Online meeting of Board of Studies in Marathi held on 18.03 2021 as core issues required to be sorted out. The minutes were referred back to the Board of Studies to re-examine and revise the Proposal based on the inputs of the House, identify the relevant Ordinance under which the Programmes was to be offered and resubmit it for the consideration of the Academic Council. The Chairperson Board of Studies was requested to invite the Controller of Examination, Professor Anuradha Wagle and Professor Vrushali Mandrekar for the discussion during the meeting of the Board of Studies.</p> <p>The House congratulated the Board of Studies for coming up with the innovative Postgraduate Diploma in Translation Studies.</p> <p align="center"><b>(Action: Assistant Registrar Academic -PG)</b></p>

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

**A G E N D A**

**For the 4th Meeting of the**

**X ACADEMIC COUNCIL**

**Day & Date**

**27<sup>th</sup> and 28<sup>th</sup> May, 2021**

**Time**

**10.30 a.m.**

**Venue**

**Online via Google Meet**

vi. Recommendations of the Academic Audit Committee and status thereof:-- NIL

**Part E.**

v. Recommendations of the text books for the course of study at undergraduate level:----- NIL ----

vi. Recommendations of the text books for the course of study at post graduate level:----- NIL ----

**Part F.**

Important points for consideration/approval of Academic Council

iv. The important points/recommendations of BoS that require consideration/approval of Academic Council (points to be highlighted) as mentioned below NIL

v. The declaration by the Chairman that the minutes were readout by the Chairman at the meeting itself.

Sd/-

Date:03/05/2021

Dr. Ganesh Hegde

Place: Goa Engg. College

Signature of the Chairman

**Part G.** The Remarks of the Dean of the Faculty

ix) The minutes are in order

x) The minutes may be placed before the Academic Council with remarks if any.

xi) May be recommended for approval of Academic Council.

xii) Special remarks if any.

Sd/-

Date:03/05/2021

Prof. V. N. Shet

Place Goa Engg. College

Signature of the Dean

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**D 3.8**

**Minutes of Board of Studies in Economics Online Meeting held on 21.05.2021 at 10.30 a.m.**

**PART A :**

i. Recommendations regarding courses of study in the subject or group of subjects at the undergraduate level: Not on Agenda

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

BOS discussed, finalized and recommended the following course and syllabi at PG Level

**(1) Course Code: 0228- Economics of Regional Integration - 4 credits** [Annexure I](#)

**(2) Course Code- 0130 - Techniques of Spatial Analysis – 4 credits** [Annexure II](#)

iii. Not on Agenda

- iv. Not on Agenda
- v. Not on Agenda
- vi. Not on Agenda
- vii. Not on Agenda
- viii. Not on Agenda

**PART B :**

- i. Not on Agenda
- ii. Not on Agenda
- iii. Not on Agenda
- iv. Not on Agenda
- v. Not on Agenda
- vi. Not on Agenda

**PART C :**

- i. Not on Agenda
- ii. Not on Agenda

**PART D :**

- i. Not on Agenda

**ii. Not on Agenda**

**PART E :**

- i. Not on Agenda
- ii. Not on Agenda
- iii. Not on Agenda
- iv. Not on Agenda

**A.O.B-**

- 1) The BOS discussed the problems faced by the teachers and students in the conduct of the online classes. The BOS decided to convene an online meeting of UG and PG teachers in Economics to discuss the problems faced by the teachers and students in the case of online classes and suggest measures to minimise those problems and make online teaching more effective.

**PART F:**

1. Important Points/recommendations of BOS that require consideration/approval of Academic Council :

**Approval of the following two Optional Courses for M A Economics Program**

**(i) Economics of Regional Integration (Eco-0228) [Annexure I](#) (Refer Page [313])**

**(ii) Techniques of Spatial Analysis (Eco-0130) [Annexure II](#)**

Date: 21<sup>th</sup> May, 2021

Sd/-

(Professor P.K.Sudarsan)  
Signature of the Chairperson

**PART G :** The remarks of the Dean of the Faculty :

- a. The minutes are in order.
- b. The minutes may be placed before the Academic Council with remark, if any.
- c. Important points of the minutes which need clear policy decision of the Academic Council to be recorded.

Date: 22/05/2021

Sd/-  
( Prof. M.S. Dayanand )  
Signature of the Dean Goa Business School

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**D 3.9**

**Minutes of Board of Studies in Geography Meeting held on 22.04.2021.**

**Part A.**

i. Recommendations regarding courses of study in the subject or group of subjects at the Under Graduate level:

Decisions:

- **The BoS in Geography has unanimously approved the Syllabus for Semester V to VI B. A. Geography (Honours) related papers to be implemented w.e.f. 2019-20 as per the prevailing Ordinance. [\(Annexure I\)](#) (Refer Page [318])**
- **The nomenclature, codes (Broad Framework for V to VI Semesters) of T.Y.B.Sc (Honours) Papers in Geography in CBCS is also being submitted.**

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

**Part B.**

i Scheme of Examinations at undergraduate level: - **NIL**

2) Panel of examiners for different examinations at the undergraduate level: - **Nil**

iii Scheme of Examinations at postgraduate level:- Decision: **N. A.**

iv. Panel of examiners for different examinations at post-graduate level:- **Nil**

**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:

**Suggested Reading and References have been appended at the end of the newly introduced T.Y.B.Sc. Sem V & VI papers.**

**D 3.8 Minutes of Board of Studies in Economics Online Meeting held on 21.05.2021 at 10.30 a.m.**

**Annexure I**

**Programme: MA Economics**

**Course Code: ECO - 0228**

**Title of the Course: Economics of Regional Integration**

**Number of Credits: 4**

**Total Contact Hours: 48**

**Effective from AY: 2021-22**

Prerequisites for the Course:	Completion of a course in International Economics	Contact Hours
Objective:	The course's objective is to provide theoretical understanding on the rationale of forming regional economic grouping and their likely welfare implications. The course also exposes the students to different databases tools and techniques required to study the effectiveness of regional grouping. The course would help the students to understand the likely implications regional grouping on the Indian economy.	
Content:	<p><b>Module 1: Theoretical foundations of Regional Economic Integration-</b></p> <p>Definition, types and historical evolution of regional integration.  Basic Viner model, Modern static theory of regional integration – Regional integration with imperfect competition - Implications of Regionalism on the Global Trading system- Rules of Origin, Labour mobility, investment, services, trade facilitation and IPRs.</p> <p><b>Module 2: Emerging landscape of bilateral, regional and plurilateral trade agreements</b></p> <p>Growth of RTAs – three waves, proliferation of RTAs in the post WTO period, Notifications under GATT, GATS and enabling clause, bilateral and plurilateral agreements, north – south and south-south trade agreements; Regional groupings – SAFTA, ASEAN, EU, NAFTA.</p> <p><b>Module 3: Methods to assess Regional Economic Integration</b></p> <p>Database to analyse the RTAs – COMTRADE, DOTS, WITS, WTO, UNCTAD, WTC, WDIs.  Tools and Techniques – Trade Indicators - Trade Intensity Index, Trade complementarity index, Revealed Comparative Advantage (RCA) index; Trade Models - Gravity Model, Structural Gravity Model; Simulation Techniques - WITS SMART analysis.</p> <p><b>Module 4: India's Engagements with regional trade agreements</b></p>	<p>16</p> <p>10</p> <p>14</p>

	India's bilateral trade agreements, India's trade agreements with regional groupings, Trade agreements currently initiated/under consideration. The political economy of Regional Trade Agreements.	08
Pedagogy	1. Chalk and talk aided by power-point lectures 2. Computer based exercise 3. Assignments and presentations 4. Group activity 5. MOOC (or similar) Component	
Reference/Readings	<p><b>Core Reading</b></p> <ol style="list-style-type: none"> <li>1. <a href="#">DeRosa</a>, Dean A. Regional Integration Arrangements: Static Economic Theory, Quantitative Findings, and Policy Guidelines, World Bank <a href="#">Policy Research Working Papers</a>, June 2013.</li> <li>2. Panagariya, Arvind. "Preferential Trade Liberalization: The Traditional Theory and New Developments." Journal of Economic Literature, 38(2):287-331, 2000.</li> <li>3. Jean-Pierre Chauffour and Jean-Christophe Maur, eds. Preferential trade agreement policies for development. A handbook. World Bank, 2011.</li> <li>4. A practical guide to trade policy analysis / contributing authors, Marc Bacchetta, Cosimo Beverelli, Olivier Cadot, Marco Fugazza, Jean-Marie Grether, Matthias Helble, Alessandro Nicita and Roberta Piermartini, Geneva : World Trade Organization : United Nations Conference on Trade and Development, 2012.</li> <li>5. Ram Upendra Das, Piyadasa Edirisuriya and Anoop Swarup, Regional Economic Engagements and the Free Trade Agreements - Analytical Insights and Policy Options, World Scientific Publishing Co. Pvt. Ltd. Chennai, 2010.</li> </ol> <p><b>Additional Reading</b></p> <ol style="list-style-type: none"> <li>6. Baldwin, Richard and Venables, Anthony. 'Regional Economic Integration.' in (Gene Grossman and Kenneth Rogoff, eds). Handbook of International Economics, Vol. 3, Amsterdam: North Holland, 1996.</li> <li>7. <a href="#">Biswajit Nag</a> and <a href="#">Debashis Chakraborty</a>, India's Trade Analytics - Patterns and Opportunities, First Edition, Sage Publishing, 2019.</li> <li>8. Mia Mikic And John Gilbert, Trade Statistics In Policymaking - A Handbook Of Commonly Used Trade Indices And Indicators - Revised Edition, Economic And Social Commission For Asia And the Pacific, United Nations publication, 2009.</li> </ol>	



	<p>9. Ben Shepherd, The Gravity Model of International Trade: A User Guide, ARTNeT Gravity Modelling Initiative, UNESCAP, 2013.  <a href="https://artnet.unescap.org/publications/books-reports/gravity-model-international-trade-user-guide-updated-version">https://artnet.unescap.org/publications/books-reports/gravity-model-international-trade-user-guide-updated-version</a>.</p> <p>10. <a href="#">Peter A. G. van Bergeijk</a>, <a href="#">Steven Brakman</a>, The Gravity Model in International Trade: Advances and Applications, Cambridge University Press, 2010.</p>	
Learning Outcomes	<p>Upon completion of this course, students should be able to:</p> <ol style="list-style-type: none"> <li>1. Analyse the dynamics of the integration process of various types of regional trade and investment agreements.</li> <li>2. Analyse the costs and benefits of various integration schemes in terms of trade creation and trade diversion.</li> </ol>	

## Annexure II

**Programme: M.A. Economics**

**Course Code: ECO 0130**

**Title of the Course: Techniques of Spatial Analysis**

**Number of Credits: 4**

**Total Contact Hours: 48**

**Effective from AY: 2021-22**

<b>Prerequisites for the Course:</b>	NIL	
<b>Objective:</b>	To introduce the students the technique of spatial data analysis and its applications in Economics	
<b>Content:</b>	<p>Module 1: Use of spatial data in economic analysis- Introduction to QGIS - installing QGIS and its graphical user interface.</p> <p>Module 2: Data Creation and editing formats Data formats- Interacting with data -inspecting, measuring and selecting data, Vector Data- attribute data, projections, creating shapefile, snapping, topology and data joins, Raster Data.</p> <p>Module 3: Creating map and styling Styling raster layers- terrain, satellite images and landcover map, styling vector layers- simple maker, point line and polygon style- labelling - map creation- print layout.</p> <p>Module 4:Spatial Analysis Analysing raster data- clipping, analysing elevation, terrain projections and raster calculator, Combining raster and vector data-converting between raster and vector and zonal statistics, Advanced raster and vector analysis with processing.</p>	6 hours  14 hours  14 hours  14 hours
<b>Pedagogy:</b>	Lectures/ tutorials/assignments/group activity	
<b>Reference/ Readings:</b> Main reference	1. Andrew Cutts, Anita Graser(2018), Learn QGIS, Your Step-by-step Guide to the Fundamental of QGIS 3.4, Packt Publishing,4th Edition, Livery Place, UK.  2. Quantum Geographic Information System (QGIS) training manual <a href="https://docs.qgis.org/3.10/en/docs/training_manual/index.html">https://docs.qgis.org/3.10/en/docs/training_manual/index.html</a>	
Additional	3. Gary E. Sherman(2008), Desktop GIS mapping the planet	

Reference	<p>with open source tools, Pragmatic Bookshelf, Raleigh, North Carolina Dallas, Texas.</p> <ol style="list-style-type: none"> <li>4. Otto Huisman, Rolf A. de (2009), Principles of geographic information systems: an introductory textbook, The International Institute for Geo-Information Science and Earth Observation (ITC), Netherlands.</li> <li>5. Kurt Menke et.al (2016), Mastering QGIS, Packt Publishing, Livery Place, UK.</li> <li>6. Erik Westra (2014), Building Mapping Applications with QGIS Create Your Own Sophisticated Applications to Analyze and Display Geospatial Information Using QGIS and Python, Packt Publishing, 4th Edition, Livery Place, UK.</li> <li>7. Jay D. Gatrell, Ryan R. Jensen (2009), Planning and Socioeconomic Applications (Geotechnologies and the Environment), Springer Science &amp; Business Media.</li> <li>8. <a href="#">J. M. Pogodzinski</a>, Richard M. Kos (2013), Economic Development &amp; GIS, Esri Press.</li> </ol>	
<b>Learning Outcomes:</b>	This course will enable the candidates to use spatial data for economic analysis. Candidates will be able to extract and process spatial images using open source software for economic decision-making.	

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