



3.4.7 E-content is developed by teachers :

1. For e-PG-Pathshala, 2. For CEC (Under Graduate), 3. For SWAYAM, 4. For other MOOCs platform, 5. For NPTEL/NMEICT/any other Government Initiatives 6. For Institutional LMS

Name of the teacher	Name of the module developed	Platform on which module is developed	Date of launching e-content	Link to the relevant document and facility available in the institution	List of the e-content development facility available	Provide link to videos of the media centre and recording facility
Dr. Anirban Guha	Electromagnetics	LMS (HEI Level)	2016	<a href="https://www.tripurauniv.ac.in/UploadFile/AdminPanel/Faculty/Fundamentals_of_Electricity_and_Magnetism_AG.pdf">https://www.tripurauniv.ac.in/UploadFile/AdminPanel/Faculty/Fundamentals_of_Electricity_and_Magnetism_AG.pdf</a>	Sufficient facilities are unavailable at the HEI level (Developed Personally)	NA
Dr. Rajeev Dubey	Theoretical Sampling, Saturation and Grounded Theory	UGC e-PG Pathshala	2017	<a href="https://epgp.inflibnet.ac.in/epgpdata/uploads/epgp_content/S000033SO/P000289/M006489/ET/14966573041.TextModule26.pdf">https://epgp.inflibnet.ac.in/epgpdata/uploads/epgp_content/S000033SO/P000289/M006489/ET/14966573041.TextModule26.pdf</a>	Sufficient facilities are unavailable at the HEI level (Developed Collaboratively)	<a href="https://youtu.be/4KOWm14T9I4">https://youtu.be/4KOWm14T9I4</a>
Dr. Rajeev Dubey	New Religious Movement	UGC e-PG Pathshala	2017	<a href="https://tripurauniv.ac.in/Content/pdf/NAAC_SSR_Criteria3/TU_3.4.7_e-PG_Religious_Movement.pdf">https://tripurauniv.ac.in/Content/pdf/NAAC_SSR_Criteria3/TU_3.4.7_e-PG_Religious_Movement.pdf</a>	Sufficient facilities are unavailable at the HEI level (Developed Collaboratively)	NA

  
 (Dr. K.B. Jamatia)  
 Registrar (I/C)  
 Tripura University  
 Suryamaninagar

Dr. Rajeev Dubey & Dr. Sharmila Chhotaray	Ethnography-1 (Sociology)	University e-module	2017	<a href="https://www.tripurauniv.ac.in/Content/pdf/NAAC_SSR_Criteria3/TU_3.4.7_Qualitative_Method.pdf">https://www.tripurauniv.ac.in/Content/pdf/NAAC_SSR_Criteria3/TU_3.4.7_Qualitative_Method.pdf</a>	Sufficient facilities are unavailable at the HEI level (Developed Personally)	NA
---	---------------------------	---------------------	------	---	---	----

  
 (Dr. K.B. Jamatia)  
 Registrar (I/C)  
 Tripura University  
 Suryamaninagar

E-content module named Electromagnetics developed by Dr. Anirban Guha and available in University LMS (HEI) (As per the link Provided in the above table)

## Course Overview

This course is an introduction to electromagnetic fields and forces. Electromagnetic forces quite literally dominate our everyday experience. The reason we do not fall through the floor to the centre of the earth as we are reading this is because we are floating on (and held together by) electrostatic force fields. However, we are unaware of this in a visceral way, in large part because electromagnetic forces are so enormously strong,  $10^{40}$  times stronger than gravity.

Because of the strength of electromagnetic forces, any small imbalance in net electric charge gives rise to enormous forces that act to try to erase that imbalance. Thus, in our everyday experience, matter is by and large electrically neutral, and our direct experience with electromagnetic phenomena is disguised by many subtleties associated with that neutrality. This is very unlike our direct experience with gravitational forces, which is straightforward and unambiguous.

The objectives of this course are to tease out the laws of electromagnetism from our everyday experience by specific examples of how electromagnetic phenomena manifest themselves.

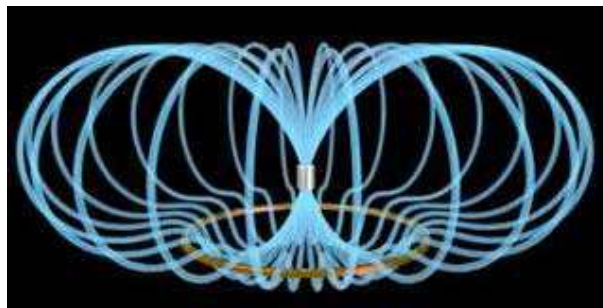
After completing this course, one will be able

to describe, in words, the ways in which various concepts in electromagnetism come into play in particular situations;

to represent these electromagnetic phenomena and fields mathematically in those situations;


and to predict outcomes in other similar situations.

The overall goal is to use the scientific method to come to understand the enormous variety of electromagnetic phenomena in terms of a few relatively simple laws.



Magnet levitating above a superconducting ring: The image shows a permanent magnet levitating above a conducting non-magnetic ring with zero resistance. The magnet is levitated by eddy currents induced in the ring by the approaching magnet. These currents are always such as to repel the magnet, by Lenz Law.

(Image courtesy of Prof. John Belcher, MIT, USA)

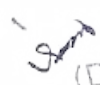
  
(Dr. K.B. Jamatia)  
Registrar (I/C)  
Tribuna University  
Suryamaninagar

# Chapter 1

## Fields

1.1 Action at a Distance versus Field Theory .....	1
1.2 Scalar Fields.....	2
Example 1.1: Half-Frozen /Half-Baked Planet.....	4
1.2.1 Representations of a Scalar Field.....	4
1.3 Vector Fields.....	6
1.4 Fluid Flow.....	7
<b>Animation 1.1:</b> Sources and Sinks.....	7
<b>Animation 1.2:</b> Circulations .....	9
1.4.1 Relationship Between Fluid Fields and Electromagnetic Fields .....	11
1.5 Gravitational Field.....	11
1.6 Electric Fields .....	13
1.7 Magnetic Field.....	14
1.8 Representations of a Vector Field.....	15
1.8.1 Vector Field Representation .....	15
1.8.2 Field Line Representation.....	16
1.8.3 Grass Seeds and Iron Filings Representations.....	17
1.8.4 Motion of Electric and Magnetic Field Lines.....	18
1.9 Summary.....	18
1.10 Solved Problems .....	19
1.10.1 Vector Fields.....	19
1.10.2 Scalar Fields.....	21
1.11 Additional Problems .....	22
1.11.1 Plotting Vector Fields.....	22
1.11.2 Position Vector in Spherical Coordinates.....	22
1.11.3 Electric Field.....	22
1.11.4 An Object Moving in a Circle.....	22
1.11.5 Vector Fields.....	23
1.11.6 Object Moving in Two Dimensions.....	23
1.11.7 Law of Cosines .....	24
1.11.8 Field Lines .....	24

---

  
(Dr. K.B. Jamatia)  
Registrar (I/C)  
Tribuna University  
Suryamaninagar

Module Detail and its Structure

Subject Name	Sociology
Paper Name	Methodology of Research in Sociology
Module Name/Title	Theoretical Sampling, Saturation, and Grounded Theory
Module Id	RMS 26
Pre-requisites	Some knowledge of epistemological and ontological issues in social science research and a basic idea of qualitative research methods in social sciences.
Objectives	To introduce learner to the use of the grounded theory method in sociological research. This would include introduction to the origin and development of grounded theory research. It will also describe the processes involved in conducting grounded theory research.
Keywords	Grounded theory, theoretical sampling, theoretical saturation, coding, memos

Development Team

Role in Content Development	Name	Affiliation
Principal Investigator	Prof. Sujata Patel	Dept. of Sociology, University of Hyderabad
Paper Coordinator	Prof. Biswajit Ghosh	Professor, Department of Sociology, The University of Burdwan, Burdwan 713104 Email: <a href="mailto:bghoshbu@gmail.com">bghoshbu@gmail.com</a> Ph. M +91 9002769014
Content Writer	Dr. Rajeev Dubey	Assistant Professor, Department of Sociology, Tripura University (A Central University), Suryamaninagar-799022 Email: <a href="mailto:dubeyrajeev.jnu@gmail.com">dubeyrajeev.jnu@gmail.com</a> Ph. M +91 8974040172 Ph. L +91 381 2379249
Content Reviewer (CR)	Prof. Biswajit Ghosh	Professor, Department of Sociology, The University of Burdwan, Burdwan 713104 Email: <a href="mailto:bghoshbu@gmail.com">bghoshbu@gmail.com</a> Ph. M +91 9002769014
Language Editor (LE)	Prof. Biswajit Ghosh	Professor, Department of Sociology, The University of Burdwan, Burdwan 713104 Email: <a href="mailto:bghoshbu@gmail.com">bghoshbu@gmail.com</a> Ph. M +91 9002769014

## Contents

1.	Objective.....	3
2.	Learning Outcome.....	3
3.	Grounded Theory and Its Origin.....	3
4.	Historical Development of Grounded Theory.....	4
	Self-check exercise 1.....	6
5.	Processes Involved in Conducting Grounded Theory Research.....	6-12
5.1	The Identification of a Research Problem.....	6
5.2	Identifying Relevant Contexts, Persons or Events.....	7
5.3	Theoretical Sampling.....	7
5.4	Data Collection.....	8
5.5	Memo Writing.....	8
5.6	Analysis through Coding.....	9-11
5.6.1	Open Coding.....	9
5.6.2	Axial Coding.....	10
5.6.3	Selective Coding.....	10
5.7	Constant Comparison.....	11
5.8	Theoretical Saturation.....	11
5.9	Identifying Structure and Developing a Theoretical Model.....	12
6.	Criteria for Evaluating Grounded Theory Studies.....	12
7.	An Illustration of application of Grounded Theory Method.....	13
8.	Limitations of Grounded Theory.....	14
	Self-check exercise 2.....	14
9.	Summary.....	15
10.	Some useful Internet Links.....	15
11.	Glossary.....	16
12.	References.....	17

Module Detail and its Structure	
Subject Name	Sociology
Paper Name	Social Movement
Module Name/Title	New Religious Movement
Module Id	SM 12
Pre-requisites	Basic concepts in sociology of religion and social movements like sects, cults, denominations, socio-religious reform movements.
Objectives	This module seeks to conceptualise new religious movement (NRM) as a social phenomenon. In particular, it seeks to define NRMs and outline the need for a new concept like NRM. In addition to this, the module deals with the types and sources of NRMs. It would also outline the significance of studying NRMs.
Keywords	new religious movement, secularisation, sect, cult, anti-cult movement

### Development Team

Role in Content Development	Name	Affiliation
Principal Investigator	Prof. Sujata Patel	Dept. of Sociology, University of Hyderabad
Paper Coordinator	Prof. Biswajit Ghosh	Professor of Sociology, The University of Burdwan, Burdwan713104 Email: bghoshbu@gmail.com Ph. M +91 9002769014
Content Writer	Dr. Rajeev Dubey	Assistant Professor, Department of Sociology, Tripura University (A Central University), Suryamaninagar-799022 Email: dubeyrajeev.jnu@gmail.com Ph. M +91 8974040172 Ph. L +91 381 2379249
Content Reviewer (CR) & Language Editor (LE)	Prof. Biswajit Ghosh	Professor of Sociology, The University of Burdwan, Burdwan713104

## Contents

1. Objective.....	3
2. Learning Outcome.....	3
3. Introduction.....	3
4. Defining New Religious Movement (NRM).....	5
5. Why the need for a new concept?.....	5
Self-Check Exercise.....	7
6. What is 'new' about new religious movement?.....	8
7. Sources of New Religious Movements.....	9
7.1 Moral Ambiguity and Value Confusion.....	9
7.2 Dislocations in Communal Patterns.....	9
7.3 State of Deprivation.....	10
7.4 Health and Spirituality.....	10
8. Types of New Religious Movements.....	11
9. Significance of New Religious Movements.....	13
Self-check exercise 2.....	14
10. Summary.....	14



E-Learning Module named Ethnography-1 developed jointly by Dr. Rajeev Dubey, Dr. Sharmila Chhotaray, Rashmi Das, Seynem Hwrankhal and available in University e-module (Available in HEi website and available in the link provided in the table above)

Tripura University – Department of sociology


# E-LEARNING MODULE

## SOCIOLOGY

Dr. Rajeev Dubey, Dr. Sharmila Chhotaray, Rashmi Das,  
Seynem Hwrankhal

15

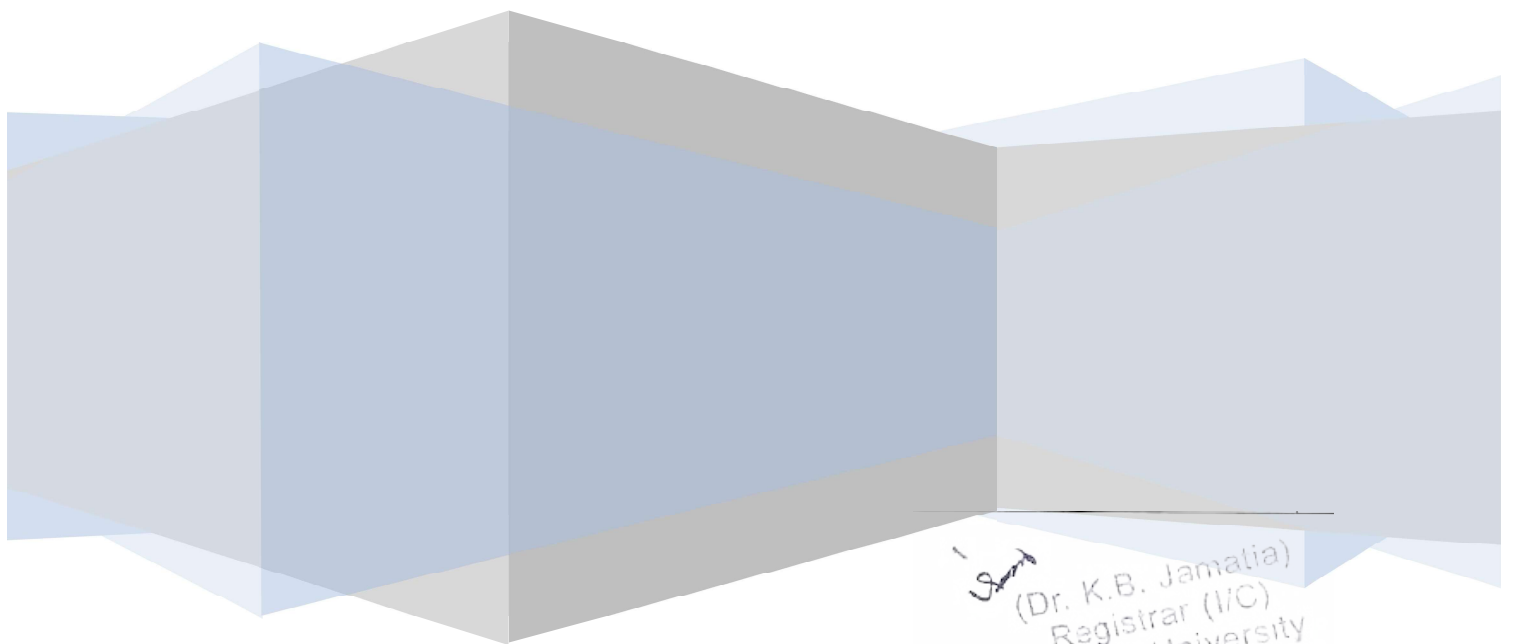
---

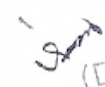
  
(Dr. K.B. Jamatia)  
Registrar (I/C)  
Tripura University  
Suryamaninagar

# E-learning modules I -X

---

## Sociology



  
(Dr. K.B. Jamatia)  
Registrar (I/C)  
Tripura University  
Suryamaninagar


# Module I

## Ethnography I

### *Description of the Module*

---

Items	Description of the Module
Subject Name	Sociology
Module No.	II
Module Title	Ethnography 1
Prepared by	Dr. Rajeev Dubey, Assistant Professor, Department. of Sociology, Tripura University
Pre Requisites	Basic understanding of discourse as a method to understand the social world through the examination of language
Objectives	This module seeks to provide the assumptions and ideas central to discourse and critical discourse
Key words	Discourse, Critical, Meanings, Language, World View, Power
Word Count	


  
(Dr. K.B. Jamatia)  
Registrar (I/C)  
Tripura University  
Suryamaninagar

## Table of Contents

---

Why a new Method? .....	1
Brief History of Ethnographic Research .....	1
What is Ethnography?.....	1
Principles of Ethnography.....	1
Socio-cultural Theory and Ethnographic Research .....	3
1    Structure Functionalism .....	3
2    Symbolic Interactionism .....	3
5    Critical Theory .....	5
6    Postmodernism .....	5
Ethnography as a Method .....	6
Ethnography as Product .....	6
Recommended Readings .....	6

---

  
(Dr. K.B. Jamatia)  
Registrar (I/C)  
Tripura University  
Suryamaninagar