



Department of Fashion Technology

Assam Women's University,

2024.

Syllabus of the Pre-Registration Course Work

Doctor of Philosophy (PhD)

Doctor of Philosophy (Ph.D) – Fashion Technology, Assam Women’s University

Department of Fashion Technology: PhD Pre-Registration Course Work. Duration: One Semester.

Seat Limit: As per Availability of the Supervisors Introduction to the Programme:

The Department of Fashion Technology introduces Doctor of Philosophy (PhD) programme in 2024 in Fashion Technology under the UGC guidelines of 2022 and AWU Research Guidelines 2022. The courses included in the six-monthly Course Work aim at inculcating knowledge of the research and publication ethics of the learners as well as promoting domain specific interests.

Structure of the Ph. D. Course Work syllabus:

| Paper Code | Course Code | Course Title | Course Credits |
|---------------------|--------------------|--|-----------------------|
| Course I (Core) | PHDRM1501 | Research Methodology | 5(4+1+0) |
| Course II (Core) | RPE1202 | Research and Publication Ethics | 2(2+0+0) |
| Course III | PHDFT1503 | Optional (to be offered by the prospective supervisor concerned) | 5(2+1+2) |
| | PHDFT1504 | | 5(2+1+2) |
| Course IV (Core) | PHDFT1405 | Designing Synoptic Outline (under the guidance of the prospective supervisor concerned) | 4(0+1+3) |

TOTAL-16 credits

Programme Objectives:

PO1: To acquaint the learners with the arena of research methodology.

PO2: To familiarise the learners with the basic ethics of research and publication.

PO3: To enable the students to recognize the importance of portable clothing in textile and Apparel industry.

PO4: To develop skills for designing functional clothing and garments for sports person, industrial workers and etc.

PO5: To develop skills for fashion concept and communication

Programme Outcomes:

PO1: The learners will learn the methods and techniques of research.

PO2: The learners will get an inclusive view of the basic ethics of research and publication.

PO3: The learners will learn about functional clothing and garments and designing.

PO4: The learners will be able to get knowledge of portable clothing in textile and Apparel industry.

PO5: The learners will be able to learn the skills for fashion concept and communication.

Detailed Course Structure:**ASSAM WOMEN'S UNIVERSITY**

| Paper Title | Research Methodology | L | T | P | CH | CR |
|--------------------|-----------------------------|----------|----------|----------|-----------|-----------|
| Paper code | PHDRM1501 (Core) | 4 | 1 | 0 | 5 | 5 |

Course Objectives:

The course aims at the following:

CC1. To acquaint the researchers with the concepts of research, types of research and methods.

CC2. To introduce the researchers to the means of formulation of research hypothesis.

CC3. To familiarise with the processes of data collection.

CC4. To explore the different types of sampling, citation and referencing styles.

Course Outcomes:

By the end of the course, the researcher will be able to:

CO1. Understand the concept of research, types and methods of research.

CO2. Explore the ways of formulation of hypothesis.

CO3. Understand the means of data collection

CO4. Get acquainted with different sampling methods and referencing techniques.

Contents:

UNIT I: Concept of Research and Research Methods

(Credit Hrs:20)

Meaning and Importance of Research, Types of Research – in Languages and Literature, Social Science, Humanities and Management, Research in Studies related to Women: Feminist Research Methodology, Selection and Formulation of Research Problem, Research Design, Research Methods - (i) Traditional Methods (ii) Modern Methods.

UNIT II: Research Formulation and Hypothesis

(Credit Hrs:20)

Defining and formulating the Research Problem, steps in Research Design, Necessity Importance of Literature Review, Hypothesis Testing, Qualities of a Good Hypothesis, Types of Hypothesis, Research Design- Basic Principles, Need of Research Design, features of a Good Design, Important Concepts relating to Research Design, Types of Research design.

UNIT III: Data Collection and Data Analysis

(Credit Hrs:20)

Types of Data, Methods of Data Collection, Tabulation of Data, Data Analysis, Data Representation, Interpretation of Results, Testing of Hypothesis – Logical and Statistical Techniques.

UNIT IV: Sampling, Referencing and Citation:

(Credit Hrs:20)

Introduction to Sampling, Sampling Error, Sample Size, Characteristics of a Good Sample, Types of samples, Determining Size of the Sample, Practical Considerations in determining Sample Size, Types of referencing and citations: MLA/APA, Chicago, Turabian formats.

References:

Kothari C.R. Research Methodology. New Age International (P) Limited, Publishers, New Delhi, 2004
MC Quail. D. Audiences Analysis. Sage Publication, 1997
Wimmer, R, Mass Communication Research. Cengage Learning India Pvt. Ltd., 2015
Sanders, C. An Introduction to Research in English Literary History. The Macmillan Co. JB Paranjape, The Scholar-Apprentice: An Introduction to literature Studies and Research Nagpur:1991.
Nunan, D. Research Methodology in Language Learning. Cambridge: Cambridge University Ahuja, R. Research Methods. Rawat Publication,2001.

ASSAM WOMEN'S UNIVERSITY

| Paper Title | Research and Publication Ethics Course | L | T | P | CH | CR |
|-------------|--|---|---|---|----|----|
| Paper code | PHDRPE1202 | 1 | 1 | 0 | 2 | 2 |

Course Objectives: The course aims at the following:

CC1. To acquaint the researchers with the concepts of philosophy and ethics in research.

CC2. To introduce the researchers to publication ethics and its standards.

CC3. To familiarise with open access publishing.

CC4. To explore the different databases available and research metrics.

Course Outcomes: By the end of the course, the researcher will be able to:

CO1. understand the importance of being ethical in carrying out research and publication activities
CO2. differentiate the quality publication practices and how to be cognisant about dubious publishing practices/publishers.

CO3. Create an increased awareness about 'open access' and contribution of research output to open access publishing platforms

CO4. Get acquainted with the software/databases which are necessary for carrying out research work.

Contents:

Unit I: Philosophy and Ethics: Definition, nature and branches of philosophy, definition of ethics, moral judgements, nature and reactions of moral judgement; Scientific conduct: corelation between science and ethics, intellectual honesty, research integrity, scientific misconducts, redundant publications, overlapping, data misrepresentation. (9 hours)

Unit II: Publication Ethics: definition, best practices / standards setting initiatives and guidelines: COPE, WAME, etc., conflicts of interest, publication misconduct and its identification, violation of publication ethics; Predatory publishers and journals. (9 hours)

Unit III: Open Access Publishing: Open access publications and initiatives, SHERPA/RoMEO online resource to check publisher copyright & self-archiving policies, Software tool to identify predatory publications developed by SPPU, Journal finder / journal suggestion tools viz. JANE, Elsevier Journal Finder, Springer Journal; Software Tools: Use of plagiarism software like Turnitin, iThenticate etc. (8 Hours)

Unit IV: Databases and Research Metrics: Databases, indexing databases, Citation databases: Web of Science, Scopus, etc.; Research Metrics: Impact Factor of journal as per Journal Citation Report, SNIP, SIR, IPP, Cite Score, Metrics: h-index, g index, i10 index, altimetric. (10hours)

References: Bird, A. (2006). Philosophy of Science, Routledge.

McIntyre, Alasdair. (1967). A Short History of Ethics. London.

Chaddah, P. (2018). Ethics in Competitive Research: Do not get scooped; do not get plagiarize

ASSAM WOMEN'S UNIVERSITY

| | | | | | | |
|--------------------|--|----------|----------|----------|-----------|-----------|
| Paper Title | Functional Clothing and Fashion Communication | L | T | P | CH | CR |
| Paper code | PHDFT1503 | 2 | 1 | 2 | 7 | 5 |

COURSE OBJECTIVE: -

- To enable the students to recognize the importance of portable clothing in textile and Apparel industry.
- To develop skills for designing functional clothing and garments for sports person, industrial workers and etc.
- To develop skills for fashion concept and communication.

Course outline-

| Module | Topic |
|---------------|---|
| Unit 1 | <p>Functional Apparel and clothing</p> <ul style="list-style-type: none"> • Meaning and concept-functional clothing and Apparel. • Scope of functional clothing and Apparel. • Clothing and apparel as a portable environment; • Comfort in clothing and apparel – principles of heat transfer in apparels, thermal insulation, breathable textiles, • Clothing and Apparel for thermal protection. |
| Unit 2 | <p>A Overview of protective clothing</p> <ul style="list-style-type: none"> • Designing comfortable apparel suitable for warm and cool weather; • Impact of protective clothes; • Providing mobility in clothing and apparel • Sports clothing and Apparel – Requirements, importance and designing; fastening system in clothing and apparel. • Clothing and Apparel for special groups. |
| Unit 3 | <p>Experimental clothing design</p> <ul style="list-style-type: none"> • Military, expecting and lactating mothers, clothing design to accommodate physical disabilities & irregularities. • Protective clothing- farm, industrial workers, fire fighters. • Designing local specific sports clothes and analysis. |

| | |
|----------------------|--|
| <p>Unit 4</p> | <p>Survey, visits and project preparation Practical-</p> <ul style="list-style-type: none"> • Survey on selected functional clothing available in the market; • Visit to clothing and garments production units-report. • Project preparation and submission. • Technical / Practical skills for designing and construction functional Apparel and clothing – for special group and occasion. |
| <p>Unit 5</p> | <p>Recent development in fashion communication</p> <ul style="list-style-type: none"> • Fashion communication and creatives. • Fashion trend studies • Fashion graphic design- Fashion animation and motion graphics • Visual communication • Virtual experience design with the role of artificial intelligence • Fashion public relations • Fashion event design, Fashion styling • Future of fashion • Creative research projects |

References:

- An Overview of protective clothing- Markets, Materials, Needs, Smith W C Cookling G. 1997.
 - Garment Technology for Fashion Designers, Blackwell Science, Kilgus R. (Ed.) 1999.
 - Clothing Technology, Europa Lhermitte, Textile institute.
 - Manchester Tate M & Glisson O.1967. Family Clothing John Wiley & Sons.
 - Functional Textiles and clothing by Abhijit Majumdar (Editor), Deepti Gupta (Editor), Sanjay Gupta (Editor) 2020, Published by Springer Verlag, Singapore; 1st ed.2021 edition.
 - <http://edition.cnn.com/style/article/milan-fashion-week-roundup/index.html>
 - <http://www.100archive.com/article/alan-aboud-paul-smith>
 - <http://www.buro247.com.au/culture-lifestyle/arts/fashion-photographer-irving-penn-tobe-celebrated.html>
-

ASSAM WOMEN'S UNIVERSITY

| | | | | | | |
|--------------------|---|----------|----------|----------|-----------|-----------|
| Paper Title | Recent advances and trends in Textile Technology and Apparel Designing | L | T | P | CH | CR |
| Paper code | PHDFT1504 | 2 | 1 | 2 | 7 | 5 |

COURSE OBJECTIVE: -

1. To provide in depth knowledge of latest development in textile and Apparel designing and help them to identify thrust areas of research.
2. To introduce the students to various trends in management of garment Industry and understand various export and import policies

Course outline-

| Module | Topic |
|---------------|--|
| Unit 1 | <ul style="list-style-type: none"> • Introduction to Clothing and textile industry and role of Fashion industry in India • Status of textile industry and Fashion industry in India. • Recent researches in production and manufacture of fibers, yarns, fabrics and garments – children, men's and women's wear. |
| Unit 2 | <ul style="list-style-type: none"> • Globalization • Manufacturing technology • Processing technology • Nano Technology • Intelligent textiles and garments • Developments in the field of functional clothing and garments, Functional finishes • Use of special techniques |
| Unit 3 | <ul style="list-style-type: none"> • Advances in Information technology • Surface enrichment technology • Thrust areas of contemporary research and future projections • Special finishes on ready to wear garments |
| Unit 4 | <ul style="list-style-type: none"> • Textile industry and their composite units, Associations • Government Textile & Clothing, export -Import policies. |

| | |
|---------------|---|
| | <ul style="list-style-type: none"> • Apparel Export promotion Council and Textile-Garment crafts councils, Textile Committee, KVIC, Khadi, Handloom Boards and Co-operative societies. |
| Unit 5 | <p>Practical</p> <ul style="list-style-type: none"> • Study of Apparel parks, GATT, ISO standards etc. • Power Point Presentation on textile industry and Fashion industry • Study report on visited industries |

References:

- A Practical guide to the Fashion Industry Concept to Customer by Virginia Grose, Bloomsbury Publishing Feb 25.20.21.
- Change in Trends in Apparel Industry by N S Kaplan Abhishek Publication, January 2004.
- Fashion innovation and marketing by Kathryn Moore Greenwood, Mary Fox Murphy, Macmillan publisher, New York, 1978.
- Jacob Solinger. Apparel Manufacture: Van Nostrand Rein fold.
- Pradeep V Mehta. Managing Quality in Apparel Industry. New age International.
- Ruth Glock. Apparel Manufacturing. Macmillan
- Journals of Apparels and Textiles

ASSAM WOMEN'S UNIVERSITY

| Paper Title | Designing Synoptic Outline(under the guidance of prospective Supervisor concerned) | L | T | P | CH | CR |
|--------------------|---|----------|----------|----------|-----------|-----------|
| Paper code | PHDFTM-1405 | 3 | 1 | 0 | 4 | 4 |

The prospective supervisor will give assignments on specific topic, Seminar/conference paper presentation in the topic and to publish research papers in quality research journals jointly within that specific period as recommended by DRC time to time.

-----0000-----