

# SNDT Women's University

## Department of Family Resource Management

### Name of Program: Master of Resource Management & Ergonomics

<b>Program Outcomes</b>		
<ol style="list-style-type: none"> <li>1. The primary goal of this program is to impart early knowledge on health &amp; safety at workplace to prevent the future occupational and non-occupational risks.</li> <li>2. Environment &amp; Energy management studies will provide skills needed to protect &amp; promote sustainability, improve environment and know-how of use &amp; misuse of resources.</li> <li>3. To develop competency skills in management &amp; expand leadership qualities</li> <li>4. Demonstrate the understanding of business opportunities for future ventures.</li> <li>5. Demonstrate an ability to engage in critical thinking by analyzing situations and constructing and selecting viable solutions to solve problems.</li> </ol>		
<b>Program Specific Outcomes</b>		
<ol style="list-style-type: none"> <li>1. The Master of Resource Management &amp; Ergonomics Program will prepare students to achieve:</li> <li>2. Ability to organize Ergonomics Awareness programs for employees, employers, school and college teachers, and other professionals</li> <li>3. Knowledge and skills will help to determine the prevalence, predisposing factors, presenting features and outcome of treatment for RSI &amp; MSD problems.</li> <li>4. Develop products that solve common workplace problems by using ergonomic research methods and theoretical knowledge.</li> <li>5. Have an ability to apply knowledge of the sciences of ergonomics, human factors, work environment and workplace ergonomics</li> <li>6. Demonstrate an ability to work effectively with others &amp; communicate effectively.</li> <li>7. Ability to identify and explain issues facing start-ups and entrepreneurial businesses; emphasizing on financing, marketing and organization.</li> <li>8. Application of consumer knowledge in buying practices &amp; use of legal aids</li> <li>9. Apply the knowledge of finance in wise investments opportunities &amp; daily life.</li> </ol>		
<b>Course Outcomes</b>		
<b>MSc-RESOURCE MANAGEMENT &amp; ERGONOMICS – SEMESTER - I</b>		
Course Code	Course Name	Course Outcomes
19101	Environmental Studies (Th)	<ol style="list-style-type: none"> <li>1. Develop new patterns of behavior among individuals, groups and society as a whole towards environment.</li> <li>2. Prepare every person with opportunities to acquire the knowledge, values, attitude, commitment and skills needed to protect and improve environment</li> <li>3. Examine the sources and effects of different types of pollutants in air, water, soil and noise pollution.</li> <li>4. Understand the need to prevent pollution and conserve the environment biodiversity</li> </ol>

		5. Appreciate and promote sustainability.
19102	Energy Management (Th)	<ol style="list-style-type: none"> <li>1. Understand the meaning of energy and energy conservation.</li> <li>2. Use different methods of energy conservation.</li> <li>3. Understand renewable and non-renewable energy sources and</li> <li>4. Use renewable and non-renewable energy resources efficiently</li> <li>5. Select right type of fuel resources for doing various activities.</li> <li>6. Apply in day-to-day activities efficiently</li> </ol>
19103	Ergonomics & Work Environment (Th)	<ol style="list-style-type: none"> <li>1. Understand the role of ergonomics and work environment in our daily life</li> <li>2. Know the relationship between Man- Machine and Environment</li> <li>3. Know the needs of special population and will be able to provide them with better facilities needed and to ensure safety and contribute to improve the quality of life</li> <li>4. Describe the effects of different type of environment on human body</li> <li>5. Understand the problems arising due to pollution and need to prevent pollution and conserve the environment</li> </ol>
19104	Ergonomics & Work Environment (Pr)	<ol style="list-style-type: none"> <li>1. Understand the role of ergonomics and work environment in our daily life</li> <li>2. Carry out the Investigation and analysis of Man- Machine and Environment</li> <li>3. Learn compendium of methods and techniques available for assessment</li> <li>4. Apply different methods of assessment in different work areas</li> <li>5. Understand the needs of special population</li> <li>6. Apply knowledge of anthropometry in designing for special population</li> <li>7. Understand how people behave in various environment</li> <li>8. Describe stress and its effects on human body</li> <li>9. Practically assess the environmental factors like heat, light, noise and vibration.</li> <li>10. Understand the problems arising due to pollution and how to test the pollutants in environment and how to conserve the environment</li> <li>11. Write reports, presentation of data, gathering data, assess the impact of environment on humans</li> <li>12. Know the lab. Assessment through field visits</li> </ol>

19105	Human Resource Management (Th)	<ol style="list-style-type: none"> <li>1. Understand the nature and fundamentals of human resources.</li> <li>2. Use different methods in managing human resources.</li> <li>3. Select the hiring employees and deciding employee remuneration.</li> <li>4. Proficient in motivating and maintaining employees.</li> <li>5. Capable of developing industrial relations.</li> <li>6. Understand various methods of training methods and its implementation</li> </ol>
19191	Elective Environmental Studies ( Pr)	<ol style="list-style-type: none"> <li>1. Understand different types of Natural Resources and Ecosystems</li> <li>2. Examine the different means of monitoring, controlling the pollution</li> <li>3. Develop strategies for Solid Waste Management and Land pollution</li> <li>4. Prepare a research paper for presentation/ publication based on field data.</li> </ol>
<b>MSc-RESOURCE MANAGEMENT &amp; ERGONOMICS – SEMESTER - II</b>		
00201	Research Methodology (Theory)	<ol style="list-style-type: none"> <li>1. Develop a scientific approach and know the processes of research</li> <li>2. Develop the competence for selecting methods and tools appropriate for research topics</li> <li>3. Understand concepts of statistical measures of central tendency, dispersion, variability and probability</li> </ol>
19201	Financial Management (Theory)	<ol style="list-style-type: none"> <li>1. Get conversant with the Financial System in India</li> <li>2. Know the principles, mechanisms and concepts of investment</li> <li>3. Formulate investment goals intelligently and make wise investment decisions</li> <li>4. Develop competence to administer the financial planning process and financial controls</li> <li>5. Apply the techniques for managing personal and family finance</li> </ol>
19202	Consumer Behavior & Consumerism (Theory)	<ol style="list-style-type: none"> <li>1. Know the determinants of consumer behavior and the techniques of decision-making process for buying</li> <li>2. Know the legal rights and responsibilities of consumers</li> <li>3. Know the importance of consumer legislations and their limitations</li> <li>4. Describe the impact of global trade in the Indian Consumer Market</li> </ol>
19203	Work & Work Posture Analysis (Theory)	<ol style="list-style-type: none"> <li>1. Understand and apply knowledge of Physical performance in daily life.</li> </ol>

		<ol style="list-style-type: none"> <li>2. Understand the Anatomy, Biomechanics and work physiology aspects of human body.</li> <li>3. Know the impact of workstation design on human health.</li> <li>4. Apply the knowledge of various human body system to physical performance.</li> </ol>
19204	Work & Work Posture Analysis (Pr)	<ol style="list-style-type: none"> <li>1. To become aware of the role of Physical performance in daily life.</li> <li>2. To gain knowledge about the Anatomy, Biomechanics and work physiology aspects of human body.</li> <li>3. To understand right postures to be adopted while working &amp; impact of incorrect posture on human health.</li> <li>4. To understand the impact of workstation design on human health.</li> </ol>
19291	Elective-II (Financial Management)	<ol style="list-style-type: none"> <li>1. Get conversant with the Indian Financial System and financial concepts</li> <li>2. Know the principles, mechanisms and concepts of investment</li> <li>3. Formulate investment goals intelligently and make wise investment decisions</li> <li>4. Develop competence to administer the financial planning process and financial controls</li> <li>5. Apply the techniques for managing personal and family finance</li> </ol>
<b>MSc-RESOURCE MANAGEMENT &amp; ERGONOMICS – SEMESTER - III</b>		
00301	Research & Statistical Applications (Th)	<ol style="list-style-type: none"> <li>1. Discriminate between parametric and non-parametric tests</li> <li>2. Learn to apply statistical tests for data analysis for both large and small samples</li> <li>3. Know how to interpret the results of statistical analysis of data</li> <li>4. Be able to summarize data and present it using tables and graphs</li> <li>5. Develop skills for preparation of research proposals</li> <li>6. Understand the components of a research report</li> </ol>
19302	Job Analysis & Optimization (Th)	<ol style="list-style-type: none"> <li>1. Develops skill in assessing job content, types of job and its impact on human performance</li> <li>2. Analyze the job and observe that job demands do not exceed those capabilities.</li> <li>3. Assess the impact of work on productivity and recommend methods &amp; demonstrate skills for improvement</li> <li>4. Have knowledge about Factories Act, rules &amp; regulations and safety of employees</li> <li>5. Understand the human computer interaction and</li> </ol>

		apply in designing other MME system
19303	Job Analysis & Optimization (Pr)	<ol style="list-style-type: none"> <li>1. Develops skill in assessing working environment conditions and its impact on human body</li> <li>2. Learns the impact of work-related issues on work output</li> <li>3. Develops skill in assessing job content, types of job and its impact on human performance</li> </ol>
19304	Organizational Behaviour (Th)	<ol style="list-style-type: none"> <li>1. Understands the behaviour of individuals and group processes in organizations.</li> <li>2. Know the processes used in organization to achieve efficiency and effectiveness</li> <li>3. Know organizational structure through practical experience</li> <li>4. Understand different personality traits of individuals, their values, attitudes, and perceptions</li> <li>5. Know the characteristics and qualities needed for leadership and importance of motivation</li> <li>6. Understand the group behavior, power and politics used in organizations</li> <li>7. Understand the reasons for conflicts and how to resolve them</li> <li>8. Know the importance and impact of organizational structure, culture and changes taking place in organization</li> </ol>
19305	Occupational Health & Safety (Th)	<ol style="list-style-type: none"> <li>1. Understands the Safety and health policy, importance of training</li> <li>2. Understand the occupations that are hazardous and measures undertaken to make workplace safe</li> <li>3. Know the different types of occupational hazards and occupational diseases and disorders</li> <li>4. Know the impact of occupational hazards on human health</li> <li>5. Know the importance of occupational hygiene at workplace</li> <li>6. Use the knowledge of occupational laws, rules and regulations for solving workers problems related to health and safety</li> <li>7. Set the stage for an overview of health care, Risk and the harm caused by the healthcare, Human error and complex systems, Ethics, professional behaviors and regulation,</li> <li>8. Understand what to do when things go wrong and how to prevent them from going wrong.</li> </ol>
19191	Elective Entrepreneurship Management (Th)	<ol style="list-style-type: none"> <li>1. Understand the concept of entrepreneurship &amp; idea generation</li> <li>2. Learns the process and procedures of setting up small enterprise</li> </ol>

		<ol style="list-style-type: none"> <li>3. Develops entrepreneurial skills to manage an enterprise successfully</li> <li>4. Develop new and innovative business opportunities to meet the complex demands of the current and future business environments.</li> <li>5. Prepare a start-up business plan emphasizing financing, marketing and organization.</li> <li>6. Identify sources of potential funding and financing for business start-ups</li> </ol>
<b>MSc-RESOURCE MANAGEMENT &amp; ERGONOMICS – SEMESTER - IV</b>		
00401	Dissertation (Pr)	<ol style="list-style-type: none"> <li>1. Learn to select a thesis research topic and develop it in consultation with her supervisory</li> <li>2. The research project should be designed for completion, together with other program requirements, within a year period.</li> <li>3. The thesis should provide evidence of the student's ability to carry out independent investigations and to present the results in a clear and systematic form.</li> </ol>
00402	Internship (Pr)	<ol style="list-style-type: none"> <li>1. Learn to connect academic studies to practical applications and gain work experience</li> <li>2. Prepare the student for professional training and understand the working in an organization.</li> <li>3. Student records the practical work undertaken during the internship</li> </ol>
19403	Consumer Ergonomics (Theory)	<ol style="list-style-type: none"> <li>1. Becomes aware of role of human factor and designing of consumer products</li> <li>2. Application of ergonomics in consumer product design</li> <li>3. Becomes aware of role of human factor in designing of product</li> <li>4. Learn to apply knowledge of ergonomics in product assessment and product development</li> </ol>
19491	Ergonomics in Everyday Life (Elective)	<ol style="list-style-type: none"> <li>1. Awareness &amp; use of ergonomics concept in day-to-day life</li> <li>2. Able to conduct some routine basis that is appropriate to the workplace conditions.</li> <li>3. Inculcate analyzing skills with respect to work place design, working postures and lifting tasks.</li> <li>4. Eliminate or control Work-related Musculoskeletal Disorders (WMSD) and hazards by providing ergonomics guidelines</li> </ol>