

# GUJARAT TECHNOLOGICAL UNIVERSITY

## Integrated Master of Business Administration

**Year – 4 (Semester –7) (W.E.F. Academic Year 2017-18)**

**Specialization: Financial Management**

**Subject Name: Insurance and Risk Management (IRM)**

**Subject Code: 2577123**

### 1. Learning Outcomes:

| Learning Outcome Component  | Learning Outcome  |
|---|---|
| Business Environment and Domain Knowledge (BEDK)                                      | <ul style="list-style-type: none"> <li>• Demonstrate a working knowledge of the procedure associated with risk management.</li> <li>• Demonstrate knowledge of the three critical functions of an insurer: marketing, underwriting and claim settlement.</li> </ul> |
| Critical thinking, Business Analysis, Problem Solving and Innovative Solutions (CBPI) | <ul style="list-style-type: none"> <li>• Ability to use standard concepts of risk and insurance to perform risk management review for individuals and organizations.</li> </ul>   |
| Global Exposure and Cross-Cultural Understanding (GECCU)                              | <ul style="list-style-type: none"> <li>• Ability to understand the shift in risk perceptions and risk management, across cultures.</li> </ul>   |
| Social Responsiveness and Ethics (SRE)  | <ul style="list-style-type: none"> <li>• Recognize the high degree of ethical responsibility which accompanies insurance management.</li> </ul>   |
| Effective Communication (EC)  | <ul style="list-style-type: none"> <li>• Ability to explain the purpose, structure and functions of insurance regulations.</li> <li>• Listen, interpret and communicate ideas and solutions in a logical and professional manner.</li> </ul>                        |
| Leadership and Teamwork (LT)  | <ul style="list-style-type: none"> <li>• Learn collaboration for need assessment and for providing solutions.</li> </ul>  |

**2. Course Duration:** The course duration is of **40 sessions of 60 minutes each.**

### 3. Course Contents:

| Module No: | Contents   | No. of Sessions | 70 Marks (External Evaluation) |
|------------|--|-----------------|--------------------------------|
| I          | <b>Introduction to Risk:</b> <ul style="list-style-type: none"> <li>• Meaning of Risk and Uncertainty, loss, perils, hazards</li> <li>• Types of Risks                             <ul style="list-style-type: none"> <li>• Financial and Non-Financial Risks, Individual and</li> </ul> </li> </ul> | 10              | 18                             |

|    |   |    |    |
|----|---|----|----|
|    | <p>Group Risks, Pure and Speculative Risk, Static and Dynamic Risk, Quantifiable and non-quantifiable risk</p> <ul style="list-style-type: none"> <li>• Risks for Financial Institutions</li> <li>• Classifying Pure risks.</li> </ul> <p><b>Risk Management:</b></p> <ul style="list-style-type: none"> <li>• Risk Management Process, Risk management objectives</li> <li>• Risk retention and risk transfer</li> <li>• Levels of risk management</li> <li>• Corporate risk management</li> <li>• Management of risk by individuals</li> </ul> <p>Measures of Risk – Mathematical, Subjective (<b>Only theory</b>)</p>  |    |    |
| II | <p><b>Insurance and Risk:</b></p> <ul style="list-style-type: none"> <li>• Introduction to Insurance</li> <li>• Insurable risk</li> <li>• Types of Insurance, Social and Economic benefits of insurance</li> <li>• Government and Controlling Authorities: <ul style="list-style-type: none"> <li>▪ IRDA framework</li> <li>▪ Legal aspects of insurance, essentials of insurance contracts</li> </ul> </li> <li>• Principles of insurance: <ul style="list-style-type: none"> <li>▪ Indemnity</li> <li>▪ Utmost good faith</li> <li>▪ Insurable interest</li> <li>▪ Proximate cause</li> <li>▪ Loss minimization</li> <li>▪ Arbitration and average</li> </ul> </li> <li>• Classification of insurance: <ul style="list-style-type: none"> <li>▪ Life insurance: <ul style="list-style-type: none"> <li>○ meaning, features and benefits, types of plans, traditional products, market related products, annuities, pension plans, riders-business insurance, group insurance, pricing in life insurance</li> </ul> </li> <li>▪ Non-Life Insurance: <ul style="list-style-type: none"> <li>▪ Features of Fire insurance contract</li> <li>▪ Marine insurance – definition, types &amp; policies</li> <li>▪ Auto insurance – need, types of policies, claims</li> <li>▪ Health Insurance – introduction, plans in India, schemes, micro-health insurance, TPAs</li> </ul> </li> </ul> </li> </ul> | 10 | 18 |

|            |  |     |                   |
|------------|--|-----|-------------------|
| <b>III</b> | <p><b>Underwriting:</b></p> <ul style="list-style-type: none"> <li>Philosophy of underwriting, kinds of underwriting, requisites of good underwriting, underwriting of life insurance, underwriting of non-life insurance, pricing and premium setting, types of rating, tariff/ rate making in general insurance.</li> </ul> <p><b>Claim Management:</b></p> <ul style="list-style-type: none"> <li>Claim settlement in general insurance, general guidelines for settlement of claims, fire insurance claims, motor insurance claim, marine insurance claim, claim on consignment by road/rail personal accident, mediclaim, theft /burglary insurance.</li> </ul> | 10  | 17                |
| <b>IV</b>  | <p><b>Financial Aspects of Insurance Companies:</b></p> <ul style="list-style-type: none"> <li>Financial objective of an insurance Company, responsibilities of insurance manager, performance measurement of insurance company, ALM, Ratio analysis of insurance company, Risk and Return trade off, valuation of assets and liabilities, Technical provision, Risk Margin</li> </ul> <p><b>Reinsurance:</b></p> <ul style="list-style-type: none"> <li>Hedging, Role of Re-insurers, Techniques of reinsurance, issues and challenges of Indian reinsurance, investment by insurance company</li> </ul>  | 10  | 17                |
| <b>V</b>   | <p><b>Practical:</b></p> <ul style="list-style-type: none"> <li>Students can explore and compare the insurance products of insurance service providers.</li> <li>Students can visit general insurers and learn assessment of risk and fixation of insurance premium.</li> <li>Students can visit life and non-life insurance companies and can prepare a report on their functioning.</li> <li>Students can carry out research to identify how individuals undertake their decision – making for availing insurance.</li> <li>Students should study and compare various investment options with insurance plans.</li> </ul>  | --- | (30 marks<br>CEC) |

#### 4. Pedagogy:

- ICT enabled Classroom teaching
- Case study
- Practical / live assignment
- Interactive class room discussions

## 5. Evaluation:

Students shall be evaluated on the following components:

|   |                                   |  |
|---|-----------------------------------|--|
| A | <b>Internal Evaluation</b>        | <b>(Internal Assessment- 50 Marks)</b> |
|   | • Continuous Evaluation Component | 30 marks                               |
|   | • Class Presence & Participation  | 10 marks                               |
|   | • Quiz                            | 10 marks                               |
| B | <b>Mid-Semester examination</b>   | <b>(Internal Assessment-30 Marks)</b>  |
| C | <b>End –Semester Examination</b>  | <b>(External Assessment-70 Marks)</b>  |

## 6. Reference Books:

| No. | Author                                 | Name of the Book                              | Publisher     | Year of Publication / Edition |
|-----|--|---|---------------|-------------------------------|
| 1   | P.K. Gupta                             | Essentials of Insurance and Risk Management   | Himalaya      | 2016 / 1 <sup>st</sup>        |
| 2   | S. Arunajatesan & T. R. Viswanathan    | Risk Management and Insurance                 | Trinity Press | 2015 / 2 <sup>nd</sup>        |
| 3   | Scott E Harrington, Gregory R. Niehaus | Risk Management and Insurance                 | McGrawHill    | 2003 / 2 <sup>nd</sup>        |
| 4   | N. R. Mohan Prakash                    | Banking, Risk and Insurance Management        | Vikas         | 2016                          |
| 5   | Jatinder Loomba                        | Risk Management and Insurance Planning        | PHI           | 2013                          |
| 6   | Mark S. Dorfman, David A. Cather       | Introduction to Risk Management and Insurance | Pearson       | 2012 / 10 <sup>th</sup>       |
| 6   | Michael J. Mcnamara, George E. Rejda   | Principles of Risk Management and Insurance   | Pearson       | 13 <sup>th</sup>              |

Note: Wherever the standard books are not available for the topic appropriate print and online resources, journals and books published by different authors may be prescribed.

## 7. List of Journals / Periodicals / Magazines / Newspapers / Web resources, etc.

1. International Journal of Risk Assessment and Management
2. The Journal of Risk Finance
3. Indian Journal of Finance
4. Journal of Risk and Financial Management
5. <https://open.umn.edu/opentextbooks/textbooks/risk-management-for-enterprises-and-individuals>
6. <https://www.irmi.com/free-resources/authoritative-reports/e-books>