

MASTER'S IN HEALTHCARE QUALITY AND PATIENT SAFETY



Course Overview

The Master's in Healthcare Quality and Patient Safety course has been structured to provide healthcare professionals with the knowledge and skills required for improving the quality and safety of healthcare delivery systems. This course will prepare the students to lead institutional programs that monitor and improve quality metrics, enhance safety for both patients and staff, and manage risks in a dynamic healthcare environment.



Course Objectives

By the end of the course, the student must be able to:

- Apply quality management principles to develop policies related to measurement and improvement of healthcare quality and patient safety.
- Use appropriate tools and approaches required for systematic evaluation, measurement and quality system improvements.
- Identify gaps in quality and safety in healthcare organizations and develop strategies that will solve them.
- Design and implement continuous quality improvement strategies at the healthcare system level.
- Foster a culture of quality and safety in the healthcare organizations they are employed with.
- Use healthcare data and analytics to measure healthcare quality and patient safety and plan improvement measures.
- Participate in research projects that can lead to quality improvement, risk reduction and enhanced patient safety within the healthcare system.

Course Highlights

- Comprehensive coverage of healthcare quality and patient safety
- Designed by healthcare industry experts in quality management
- Convenient online learning for working professionals
- One-month contact program in the quality department of leading tertiary care hospitals

Eligibility

- A bachelor's degree in any stream (healthcare streams preferred). This program is ideal for healthcare professionals looking to advance to leadership roles in healthcare quality or patient safety.

Duration

- 2 years

Course Outline

SEMESTER 1

PAPER 1: INTRODUCTION TO HEALTHCARE QUALITY MANAGEMENT

1. Basic Concepts of Healthcare Quality
2. History of Quality Management in Healthcare
3. Quality Management Activities

PAPER 2: QUALITY MANAGEMENT PROCESS

1. Measuring Performance
2. Evaluating Performance
3. Continuous Improvement

PAPER 3: ORGANIZING FOR QUALITY

1. Quality Management System
2. Quality Management Plan
3. Leadership for Quality
4. Organizational Staff and Quality
5. Implementing Quality as the Core Organizational Strategy

CASE STUDIES IN HEALTHCARE QUALITY – PART 1

SEMESTER 2

PAPER 5: PERFORMANCE IMPROVEMENT METHODS

1. Performance Management Methods and Tools
2. Improvement Project Teams
3. Project Management
4. Process Redesign

PAPER 6: INFORMATION TECHNOLOGY APPLICATIONS FOR IMPROVED QUALITY

1. Medical Informatics
2. Technologies for Clinical Care Management Initiatives
3. Architecture Framework for Clinical Information Technology
4. Workflow Automation for Clinical Processes
5. Other Clinical Information Technology Components
6. Analytics in Healthcare Organizations
7. Big Data and Predictive Modeling

PAPER 7: ACCREDITATION

1. Benefits of Accreditation
2. Use of Accreditation in Healthcare
3. Review of Various Healthcare Accreditation Standards

PAPER 8: CASE STUDIES IN HEALTHCARE QUALITY – PART 2

SEMESTER 3

PAPER 9: PATIENT SAFETY

1. Medical Harm: A Brief History
2. Causes of Medical Errors and Harm
3. The Emergence of Patient Safety
4. Integrating Safety and Quality

PAPER 10: MEASURING PATIENT SAFETY

1. Measuring Patient Safety
2. Reporting Patient Safety

PAPER 11: MANAGING SAFETY INCIDENTS

1. Managing Patients Affected by Medical Harm
2. Supporting Staff after Serious Incidents

PAPER 12: CASE STUDIES IN PATIENT SAFETY – PART 1

SEMESTER 4

PAPER 13: PREVENTING SAFETY INCIDENTS

1. Clinical Interventions and Process Improvements
2. Designing for Patient Safety
3. Using IT to Improve Patient Safety
4. Creating a Culture of Safety
5. Patient Involvement in Safety

PAPER 14: BUILDING A SAFE ORGANIZATION

1. Building Safety Skills
2. Team Approach
3. Leadership for Safety
4. Safe Healthcare Organizations
5. Patient-friendly Hospitals
6. High Performing Healthcare Systems

PAPER 15: CASE STUDIES IN PATIENT SAFETY – PART 2

PROJECT WORK

1. Contact Program – 30 Days
2. Posting under a healthcare quality team member in a hospital for 30 days

Fee

Students from India, SAARC countries and Africa

- Total fees : INR 90,000/-
- Per semester : INR 25,000/-

For other International students

- Total fees : USD 2,493
- Per semester : USD 693

Training and Learning Methodology

Online Learning

The online learning program will be for a duration of 2 years. The online content shall be in the form of e-books, recorded videos covering the module content. A login username and password will be provided to access the content of the learning management system. You can access the course content on a computer or mobile phone at your convenience.

Live Virtual Classes (Webinars)

With the healthcare industry undergoing so many advancements, staying updated about the latest trends, technologies and guidelines have become vital. Additionally, having these updates through a healthy discussion with experienced clinicians will be the focus of our learning curriculum. Live virtual classes will provide an opportunity for the participants to listen to expert presentations and interact with them through webinars.

Contact Program

During the 1-month contact program, the candidate will be posted in accredited hospitals to gain a hands-on training experience under the expertise of trained specialists.

Assessment & Certification

- All the assessments are online and objective.
- The final examination will be conducted online at the completion of all the modules.
- A minimum of 60% is required in the module tests and the final test to be eligible for certification.
- On successful completion of the final exam, candidates will be awarded the degree by Singhanian University.

About Medvarsity

Medvarsity Online Ltd. is India's first and largest online healthcare training company with over 7000 active learners and 45,000 trained & certified medical professionals. By partnering with International Universities, Medvarsity is delivering global learning resources with interactive methodologies of live webinars, AR, VR, & LVCs; alongside hands-on clinical training from prestigious hospitals to build a promising career for learners.

About Singhanian University

Singhanian University has been established with a commitment to bring higher education to the masses with student-centric & placement oriented education. The University follows an imperative philosophy of classroom teachings and clinical practise for a comprehensive medical career; for which it utilises the best of medical resources, renowned professors, practising physicians, in-house hospital and research facility to train the robust workforce of future medical practitioners.

