

# GUJARAT TECHNOLOGICAL UNIVERSITY

## M.Pharm CLINICAL PHARMACY SEMESTER: II

**Subject Name:** Principles of quality use of medicines

**Subject Code:** MCP204T

**Scope:**

**Objectives:**

Sr No	Course Contents	Total Hrs
1	Introduction to Quality use of medicines (QUM): Definition and Principles of QUM, Key partners and responsibilities of the partners, Building blocks in QMC, Evaluation process in QMC, Communication in QUM, Cost effective prescribing.	15
2	Concepts in QUM Evidence based medicine: Definition, concept of evidence based medicine, Approach and practice of evidence based medicine in clinical settings Essential drugs: Definition, need, concept of essential drug, National essential drug policy and list Rational drug use: Definition, concept and need for rational drug use, Rational drug prescribing, Role of pharmacist in rational drug use.	15
3	QUM in various settings: Hospital settings, Ambulatory care/Residential care, Role of health care professionals in promoting the QUM, Strategies to promote the QUM, Impact of QUM on E-health, integrative medicine and multidisciplinary care. QUM in special population: Pediatric prescribing, Geriatric prescribing, Prescribing in pregnancy and lactation, Prescribing in immune compromised and organ failure patients.	15
4	Regulatory aspects of QUM in India: Regulation including scheduling, Regulation of complementary medicines, Regulation of OTC medicines, Professional responsibility of pharmacist, Role of industry in QUM in medicine development. Standard treatment guidelines, National treatment guidelines of antimicrobial use in infectious disease. Management of hypertension Prevention and Management of diabetes.	15

### REFERENCES:

1. A Textbook of Clinical Pharmacy Practice – Essential concepts and skills – Parthasarathi G, Karin Nyfort-Hansen and Milap Nahata
2. Andrews EB, Moore N. Mann's Pharmacovigilance
3. Dipiro JT, Talbert RL, Yee GC. Pharmacotherapy: A Pathophysiologic Approach
4. Cohen MR. Medication Errors
5. Online:
  - a) [http://medicinesaustralia.com.au/files/2012/05/MA\\_QUM\\_External\\_Reduced.pdf](http://medicinesaustralia.com.au/files/2012/05/MA_QUM_External_Reduced.pdf)
  - b) <http://curriculum.racgp.org.au/statements/quality-use-of-medicines/>

- c) [http://www.rug.nl/research/portal/files/14051541/Chapter\\_2.pdf](http://www.rug.nl/research/portal/files/14051541/Chapter_2.pdf)
6. Relevant review articles from recent medical and pharmaceutical literature.
7. National health mission guidelines. ([www.nhm.gov.in](http://www.nhm.gov.in))
8. [www.pbhealth.gov.in](http://www.pbhealth.gov.in)