

Semester: II

Elective Course

3. Course Code & Title: MPC 50 05 & Project Management

Credits: 3

Course Objectives:

The objective of this course is to develop competencies and skills for planning, designing, controlling and managing projects within a dynamic healthcare ecosystem. Specifically, this course will enable students to:-

- i. Understand the growing need for project and program management in a healthcare ecosystem.
- ii. Define project, its characteristics, quote examples of healthcare projects, and describe project constraints.
- iii. Discuss the relationship between project and program management and their contribution to health system strengthening process.
- iv. Describe project management cycle and discuss key elements of project management framework, including project stakeholders, the project management knowledge areas, common tools and techniques, and project success factors.
- v. Develop a project proposal addressing a public health issue.
- vi. Obtain hands on experience with logical framework and working with MS-Projects software.

Skills developed:

On successful completion of course the student will be skilled in project life cycle, public health project design, development, implementation, monitoring and evaluation.

Teaching Methods: The delivery of this course will take place using a variety of methods and modalities. Lectures, hands on training for developing logical framework and MS-Projects v2013, power point presentations, group work, case study analysis, written assignment and quiz will be conducted to deliver this course.

Day	Topic	Classroom/Field/Take Home Assignments	Suggested Reading Materials
1.	Unit-I: Basics of Project Management: Definition and meaning of project, examples of projects in healthcare, classification of projects, characteristics/attributes of projects, project constraints, differences between project and program skills set for program and project managers and growth of project management software.	Lecture and self-study	1. Schwalbe, K., & Furlong, D. (2013). <i>Healthcare project management</i> . (Chapter-1) 2. Roy, SM (2002). <i>Project Planning and Management</i> . CHAI Publication, Hyderabad (India) – (Chapter -1)
2	Unit-II: Project Management Life Cycle: Project planning process, scientific approach to project planning and overview of steps in project management life cycle.	Lecture and Group work	1. Roy, SM (2002). <i>Project Planning and Management</i> . CHAI Publication, Hyderabad (India) – (Chapter -1)
3&4	Unit-III: Project Identification & Design: Approaches to project identification, stages of project identification, steps in project design, causes effect relationship –Fish bone diagram, developing project goals and objectives, developing a project proposal, budgeting and project sustainability.	Lecture and Group work	1. Roy, SM (2002). <i>Project Planning and Management</i> . CHAI Publication, Hyderabad (India) – (Chapter -2 & 3)
4	Unit-IV: Project Appraisal: Appraisal techniques – Technical, socio-cultural, environmental, management and financial.	Lecture and Group work	1. Roy, SM (2002). <i>Project Planning and Management</i> . CHAI Publication, Hyderabad (India) – (Chapter -4)
6, 7&8	Unit-V: Implementation Plan: Steps in implementation planning- estimation of time, inter linkages, resource estimation. Activity plan and GANTT chart, advantages and disadvantages of GANTT chart, Network analysis- PERT, CPM techniques.	Lecture and Group work	1. Roy, SM (2002). <i>Project Planning and Management</i> . CHAI Publication, Hyderabad (India) – (Chapter -5) 2. Agarwal, S., Basannar, D. R., Bhalwar, R., Bhatnagar, A., Bhatti, V. K., & Chatterjee, K. (2009). <i>Textbook of Public Health and</i>

			Community Medicine. Pune: AFMC in collaboration with WHO, India, 1205. (Chapter -3)
8&9	Unit-VI: Monitoring: Concept, steps in monitoring, levels of monitoring – process, output, Baseline Data, Information Management, Data collection, Monitoring Activities and Outputs Monitoring Outcomes and Assumptions	Case study analysis on project monitoring and evaluation	1. Roy, SM (2002). <i>Project Planning and Management. CHAI Publication, Hyderabad (India)</i> – (Chapter -6)
10&11	Unit-VII: Evaluation Plan: Concept of evaluation, needs of evaluation, types of evaluation-concurrent, terminal, longitudinal, internal and external, evaluation design, evaluation focus, steps in evaluation, relation between monitoring and evaluation.	Case study analysis on project monitoring and evaluation.	1. Roy, SM (2002). <i>Project Planning and Management. CHAI Publication, Hyderabad (India)</i> – (Chapter -7) 2. Crawford, P., & Bryce, P. (2003). Project monitoring and evaluation: a method for enhancing the efficiency and effectiveness of aid project implementation. <i>International journal of project management, 21(5), 363-373.</i>
12-14	Unit-VIII: MS-Projects & Logical Framework	Hands-on experience/Lab	1. Biafore, B. (2013). <i>Microsoft project 2013: The missing manual.</i> "O'Reilly Media, Inc." 2. Aune, J. B. (2000). Logical framework approach. <i>Development Methods and Approaches, 214.</i>
15	Evaluation and Feedback i. MCQ Quiz – 20 Marks ii. PPT Presentation (15) and classroom participation (5) – 20 Marks		

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Additional Reading Resources

1. A Guide to the Project Management Body of Knowledge (PMBOK Guide 3rd Edition) by The Project Management Institute
2. Kerzner, H. (2013). Project management: a systems approach to planning, scheduling, and controlling. John Wiley & Sons.
3. Frame, J. D. (1999). Project management competence: Building key skills for individuals, teams, and organizations (p. 232). San Francisco, CA: Jossey-Bass.
4. Chatfield, C. S., & Johnson, T. (2013). Microsoft Project 2013 Step by Step. Pearson Education.