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Semester: II

Elective Course

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

Credits: 3

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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). *Healthcare project management*. (Chapter-1) 2. Roy, SM (2002). *Project Planning and Management. 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). *Project Planning and Management. 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). *Project Planning and Management. 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). *Project Planning and Management. 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). *Project Planning and Management. CHAI Publication, Hyderabad (India)* – (Chapter -5) 2. Agarwal, S., Basannar, D. R., Bhalwar, R., Bhatnagar, A., Bhatti, V. K., & Chatterjee, K. (2009). Textbook of Public Health and

			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). *Project Planning and Management. CHAI Publication, Hyderabad (India)* – (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). *Project Planning and Management. CHAI Publication, Hyderabad (India)* – (Chapter -7) 2. Crawford, P., & Bryce, P. (2003). Project monitoring and evaluation: a method for enhancing the efficiency and effectiveness of aid project implementation. *International journal of project management*, *21*(5), 363-373.
12-14	**Unit-VIII: MS-Projects & Logical Framework**	Hands-on experience/Lab	1. Biafore, B. (2013). *Microsoft project 2013: The missing manual*. "O'Reilly Media, Inc.". 2. Aune, J. B. (2000). Logical framework approach. *Development Methods and Approaches*, *214*.

15	**Evaluation and Feedback**
	     i. MCQ Quiz – 20 Marks
	     ii. PPT Presentation (15) and classroom participation (5) – 20 Marks		

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.