

Practicum Learning Path Module Proposal



IT PRACTICUM X LEARNING PATH PROPOSAL

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STUDENT NUMBER : 2013100405

PROGRAM : CS

IDENTIFIED LEARNING MODULES

A. Required Learning Modules

1. Design Thinking Learning Module (Total Engagement Hours: 15 hours Total Credit Hours: 45 hours)
 - a. Learning Design Thinking: Lead Change in Your Organization by Turi McKinley (2h 8m)
 - b. Develop Your Creative Thinking and Innovation Skills Learning Path 8 courses (8h)
 - c. Develop Critical-Thinking, Decision-Making, and Problem-Solving Skills 6 courses (5h)
2. Project Management Learning Module (Total Engagement Hours: 15 hours Total Credit Hours: 45 hours)
 - a. Project Management Foundations by Bonnie Biafore (3h 20m)
 - b. Become an Agile Project Manager Learning Path 9 courses (12h)
3. Workplace Management Learning Module (Total Engagement Hours: 15 hours Total Credit Hours: 45 hours)
 - a. Develop Your Communication Skills and Interpersonal Influence 9 courses (8h)
 - b. 5S Workplace Productivity by Gemba Academy (1h 36m)
 - c. Time Management Fundamentals by Dave Crenshaw (2h 53m)
 - d. Time Management: Working from Home by Dave Crenshaw (1h 25m)
 - e. Business Etiquette: Phone, Email, and Text by Suzanna Kaye (58m)

Mapúa Institute of Technology at Laguna · College of Computer and Information Science · E.T. Yuchengco College of Business · Mapúa-PTC College of Maritime Education and Training
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B. Specialization Learning Modules

1. Software Engineering (*Total Engagement Hours: 27 hours Total Credit Hours: 81 hours*)

- a. Software Design: From Requirements to Release by Neelam Diwedi (1h 54m)
- b. Programming Foundations: Software Testing/QA by Michele Vallisneri (53m)
- c. Agile Software Development by Shashi Shekhar (1h 53m)
- d. Python for Engineers and Scientists by Michele Vallisneri (1h 53m)
- e. DevOps Foundations by Ernest Mueller and James Wickett (2h47m)
- f. Succeeding in DevOps Laura Stone (32m 12s)
- g. AWS Essential Training for Developers by Jeremy Villeneuve (3h 17m)
- h. Python Essential Training by Bill Weinman (4h 37m)
- i. Python Quick Start by Lavanya Vijayan, Madecraft (1h 36m)
- j. Python for Non-Programmers by Nick Walter (1h 55m)
- k. Learning Python by Joe Marini (3h 10m)
- l. Learning the Python 3 Standard Library by Kathryn Hodge (2h 9m)

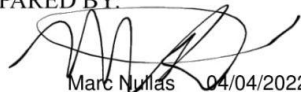
2. Machine Learning (*Total Engagement Hours: 21 hours Total Credit Hours 63 hours*)

- a. Artificial Intelligence Foundations: Machine Learning by Doug Rose (1h 17m)
- b. AWS Machine Learning by Example by Jonathan Fernandes (1h 25m)
- c. Machine Learning with Python: Foundations by Frederick Nwanganga (1h 43m)
- d. Become a Machine Learning Specialist by Keith McCormick, Dan Sullivan, Lillian Pierson, P.E., Adam Geitgey (17h 18m)

3. Data Science (*Total Engagement Hours: 15 hours Total Credit Hours: 45 hours*)

- a. Introduction to Data Science by Lavanya Vijayan (1h 48m)
- b. Learning Data Science: Understanding the Basics by Doug Rose (1h 16m)
- c. Python Data Analysis by Michele Vallisneri (2h 30m)
- d. Python for Data Science Essential Training Part 1 by Lillian Pierson, P.E. (6h 2m)
- e. Python for Data Science Essential Training Part 2 by Lillian Pierson, P.E. (3h 44m)

PREPARED BY:



Marc Nolas 04/04/2022

Signature over Printed Name / Date

APPROVED BY:



Kristian G. Kikuchi

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