**INSTITUTE OF EDUCATION**

COURSE OUTLINE IN \_STS 121\_: \_Science, Technology and Society\_

Learning Activities Plan:

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| **Course Content** | **Timetable (in hrs)** |
| Orientation and  Introduction to the Course | 1.5 |
| Science and Technology in History that changed Society  a. Stone Age  b. Bronze Age  c. Iron Age  d. Middle Ages  e. Pre-colonial societies in selected Asian countries especially in the Philippines | 6 |
| Scientific and Technological revolutions that defined Society  a. Renaissance  b. Scientific Revolution  c. Industrial Revolution  d. Western Imperialism | 6 |
| Science and Technology in the 20th Century with an emphasis in the Philippines context  a. Microelectronics and Photonics  b. Computers and Information Technology  c. Internet and Other Advanced Telecommunication Technologies  d. Automation, Robotics, and Other Advanced Manufacturing Technologies  e. Advanced Energy Technologies  f. Advanced Materials, Micromachines, and Nanotechnology  g. Genetic Engineering and Biotechnology  h. Advances in Health and Medicines  i. Food and Agricultural Technologies  j. Advances in Construction, Transportation, and Space Technologies | 12 |
| Midterm Examinations | 3 |
| Impacts of Science and Technology in Society and its Cultureλ  a. Economic  b. Business  c. Environment with a focus on climate change  d. Arts  e. War  f. Ethics  g. Ideology with a focus on environmental awareness  h. Politics | 12 |
| Case Studies of Science & Technology Policies for National Development  a. Developed Countries  b. Newly Industrialized Countries  c. Least Developed Countries especially the Philippines | 7.5 |
| Science and Technology in the Philippines: Present Conditions and Future Options | 3 |
| Final Examinations | 3 |