1. **Course number and name**  
   *Engr 290: Introduction to ProEngineering*

2. **Credits and course contact hours**  
   1 Credit Hour; 95 minute/class 8 weeks

3. **Instructor’s or course coordinator’s name**  
   Prof. Dipendra K. Sinha

4. **Textbook, title, author(s), and year**  
   a. No textbook is required, instead students use tutorial (video) series developed by Parametric Technology Corporation - the manufacturer of ProE.
   b. Optional reference books recommended are:-  
      i. CREO Parametric 3.0 Tutorial by Roger Toogood, SDC Publications, 2015  
      ii. Parametric Modeling with CREO Parametric 3.0 by Randy H. Shih, SDC 2014  
      iii. CREO Parametric 3.0 Basics by Books Tutorial, 2015

5. **Specific Course Information**  
   a. **Brief description of the content of the course**  
      Course is designed to provide optional skill in use of a well-recognized commercial Geometric Modeling software.
   b. **Prerequisites or co-requisites**  
      Sophomore status
   c. **Indicate whether a required, elective, or selected elective course in the program**  
      Elective for Mechanical Engineering

6. **Specific goals for the course**  
   a. **Specific outcomes of instruction, ex. The student will be able to explain the significance of current research about a particular topic.**  
      i. Provide a marketable skill to the student  
      ii. Drawing is known as the language of engineering, through this course the student learns to explain his/her concept of physical objects in an easily understandable way  
      iii. Student can quickly use CAM systems with the use of the 3D models
7. *Brief list of topics to be covered.*