1. **Course number and name**  
CptS 485: Gerontechnology I

2. **Credits and contact hours**  
3 credits, 3 lecture hours

3. **Instructor’s or course coordinator’s name**  
Diane Cook

4. **Textbook, title, author, and year**  

5. **Specific course information**  
   a. **Catalog description:** Introduction to the field of Gerontechnology.  
   b. **Prerequisites or corequisites:** Certified major in CptS, CptE, or EE.

6. **Specific goals for the course**  
Following completion of this course, students will  
   ● Identify professional, ethical, legal, security, and social dimensions of a decision or action and its potential impacts on the individual, company/organization, and public (4a).  
   ● Effectively communicate in oral presentations (3a, 3b, 3c, 3d, 3e, 3f).  
   ● Effectively communicate reasoning and rationale in written documents (3a, 3b, 3c, 3d, 3e, 3f).  
   ● Carefully listen to others and provide others with constructive feedback (5g).  
   ● Function effectively as part of a team (5b, 5c, 5d, 5e, 5f).  
   ● Effectively manage team projects (5a, 5c, 5d).

7. **Brief list of topics to be covered**  
   ● Research methodology in aging  
   ● Smart environments  
   ● Ambient sensors and sensor networks  
   ● Technology use and acceptance  
   ● Machine learning  
   ● Institutional review board applications  
   ● Impact of aging on mobility, falls, cognition, everyday function, memory, thinking, and senses