Sungkyunkwan University (SKKU) International Summer Semester (ISS) 2024

[*The Emerging Future: Technology Issues and Trends***]**
Prof. [Susan Alman], [San José State University School of Information]

SHORT COURSE DESCRIPTION

Are you going to be prepared to meet the rapid technology challenges and changes that will impact your professional and personal lives? *The Emerging Future: Technology Issues and Trends* course will provide you with the skills to plan strategically for the changing technological landscape.

The highly interactive course design enables you to participate in *forecasting* activities through readings, video presentations, guest lectures, introductions to today's futurists, and individual research. Throughout the course we will examine many forecasting techniques and methods that you can use as an information professional. You will become immersed in the literature and practices of current technological futurists and emerging technologies, gain skills to plan strategically for the changing technological landscape, and create a multi-media presentation or infographic that focuses on a new technological area that can impact the future.

READING MATERIALS

[No textbooks are assigned for this course. Students will be able to select reading from an array of recommended resources as well as publications of their own choosing.]

COURSE REQUIREMENTS AND GRADING

Students will be graded on attendance and participation in each daily class as noted below, and all students are expected to adhere to the principles of academic integrity. There will be a late penalty for assignments (grade reduction of 20% per day) turned in after the due date without prior approval, and no materials may be rewritten or revised after a grade has been assigned.

ASSIGNMENTS:

- Daily Attendance and Participation (45 points)
  - In-class discussions based on the topic.
    - Students will select 3-5 online resources that are focused on the topic and post the link along with a summary to the class Flipboard Magazine.
    - Teams will be assigned to summarize the main points of the assigned topics and lead the classroom discussions.
- Create a LibGuide/Annotated Resource guide that relates to the history of foresight/futures studies and the identification of essential resources needed to plan for the future. Minimum of 20 sources. (15 points)
- Future Trends Comparative Book Review (20 points)
  - Students will select two (2) books either of their choice OR from the course reading list that deal with future trends, forecasting, or related issues and write a 1,000-word comparative review. (**THIS IS NOT A BOOK REPORT**). A link will be provided to a book review writing guide.

- o Each student will present a summary of their findings, and develop questions for the class/
- Final Project (20 points)
  - o Students will work with the instructor to develop a term project that will culminate in a deliverable AND a 12-minute multi-media presentation that focuses on a new technological area that can impact the future. **Sample options for 1-2-3 students**: Develop a virtual resource guide or exhibit on topics such as Connectivity, Blockchain, Privacy, Security, or Futures Methods that can be accessible through a platform such as Mozilla Hubs; write a white paper on the types of apps that could develop with blockchain, self-sovereign identity, or digital wallets; or, self-designed project e.g. write a paper on a topic of interest that you want to explore in-depth.

COURSE SCHEDULE

– WEEK I –

Monday (1 July).   Introductions and Course Logistics

Tuesday (2 July)   Emerging Technology: Will future technological and scientific changes make life better?

Wednesday (3 July)   Who and What to Watch: People, Publications, Organizations

Thursday (4 July).   Planning and Forecasting

– WEEK II –

Monday (8 July). Project Planning

Tuesday (9 July). Connectivity Issues

Wednesday (10 July). Connectivity Issues Part 2

Thursday (11 July) Privacy/Intellectual Freedom

– WEEK III –

Monday (15 July). Comparative Book Review Discussion

Tuesday (16 July). Big Data

Wednesday (17 July). Cybersecurity

Thursday (18 July) A few new(er) technologies – Blockchain, AR/VR/XR

– WEEK IV–

<u>Monday (22 July) TBA</u>

<u>Tuesday (23 July). Careers in the Emerging Future</u>

<u>Wednesday (24 July) Project Presentations</u>