**Prerequisite Course**

*1. Purpose of Course*

This course introduces practical tools and applications for managing Digital Transformation. The first week will focus on evaluating technologies for digital transformation. Students will review cases from sectors transforming digitally including transportation, semiconductors, cloud computing and consumer goods. The second week will introduce roadmapping the digital journey through cases and a team exercise. Teams will review cases ranging from consumer goods to autonomous vehicles. There will also be a hands-on exercise to roadmap the digital transformation in the transportation business.

The third week will introduce technology intelligence and forecasting for the digital transformation through cases and a team exercise. Teams will review cases of emerging technologies.

*2. Materials and Reference*

Daim T, Digital Transformation (DT), World Scientific 2020
Daim T, Roadmapping Future (RF), Springer Nature, 2021

*3. Evaluation (%)*

<table>
<thead>
<tr>
<th>Attendance</th>
<th>Assignment</th>
<th>Midterm</th>
<th>Final</th>
<th>Additional Evaluation</th>
<th>Attitude</th>
<th>Other</th>
<th>Total</th>
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<tr>
<td>50%</td>
<td>30%</td>
<td>20%</td>
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Attendance Policy: Students who are absent for over 1/3 of the class will receive a grade of 'F' or 'U' for the course. (Exceptions can be made when the cause of absence is deemed unavoidable by the course instructor.)

Other Remarks:
Date | Topics |
---|---|
July 3 1 – 4 pm | Class Introduction Forming Teams |
4 | Guest Lecture |
5 | Technology Assessment  
Case Study Analysis - DT 6, 8, 9 and 16 |
6 | Week Wrap Up  
Quiz 1 |
10 | Technology Roadmapping  
Case Study Analysis – RF 3, 4, 6, |
11 | Guest Lecture  
Case Study Analysis – RF 7 and 9 |
12 | Class Exercise  
Read the cases |
13 | Week Wrap Up  
Quiz 2 |
17 | Technology Intelligence and Forecasting  
Case Study Analysis- RF 11, 12, 13 and 17 |
## Guest Lecture and SW Demo

Haydar YALÇİN
Management Information Systems at Ege University

### Class Exercise

### Week Wrap Up
Quiz 3

### Group Project Presentations

### Group Project Presentations

### FINAL EXAM

### 5. Additional Notes for Students

#### 6. Assistance for Students with Disabilities

<table>
<thead>
<tr>
<th>Class</th>
<th>Assignment &amp; Evaluation</th>
<th>Others</th>
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<tbody>
<tr>
<td>Visual Impairment: Make textbooks (digital textbook, braille textbook, enlarged textbook etc.), Allow note takers</td>
<td>Visual Impairment / Physical Disability / Hearing Impairment / Health Impairment / Learning Disability: Extend assignment deadlines, Offer alternate assignment submission and response method, Extend testing period, Offer alternate testing method, Offer different testing room</td>
<td>Students who take this course can get appropriate level of support service including the support listed above depending on the students’ individual characteristics and needs through consultation with professors and the Support Center for Students with Disabilities. If you have any questions concerning support service for students with disabilities you can contact Professor <em><strong>(Contact Information)</strong></em> or Support Center for Students with Disabilities (02-880-8787).</td>
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<td>Physical Disability: Make textbooks (digital textbook), Allow note takers and assistants</td>
<td>Intellectual Disability / Autism Spectrum Disorder: Offer individualized assignments and alternative evaluations</td>
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<td>Hearing Impairment: Allow note takers and translators, Allow lecture recording</td>
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<td>Health Impairment: Excuse absence due to health problems, Allow note takers</td>
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<td>Learning Disability: Allow note takers</td>
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<tr>
<td>Intellectual Disability / Autism Spectrum Disorder: Allow note takers and mentors</td>
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