Overlapping Course List
Last updated: 04-25-17

The INI discourages students from enrolling in courses that have overlapping content to the extent that students will not receive credit toward degree requirements for redundant courses; however, every course taken will be factored into the student’s cumulative GPA. Specifically, the INI sets the following list of exclusions:

The following security courses are considered to be overlapping:
- 08-761 Information Security and Privacy
- 14-741 Introduction to Information Security
- 15-349 Introduction to Computer and Network Security
- 15-487/18-487 Introduction to Computer and Network Security and Applied Cryptography
- 18-730 Introduction to Computer Security
- 19-601 Information Warfare
- Or, any of their cross-listed versions

The following security courses are considered to be overlapping:
- 95-841 Information Assurance Policy
- Or, any of their cross-listed versions

The following telecommunications courses are considered to be overlapping:
- 14-740 Fundamentals of Telecommunications Networks
- 18-345 Introduction to Telecommunication Networks
- Or, any of their cross-listed versions

The following security courses are considered to be overlapping:
- 18-739L Special Topics in Security (Brumley)
- 17-632 Engineering Run Time Malware Detection
- Or, any of their cross-listed versions

The following security courses are considered to be overlapping:
- 14-788 Information Security Policy and Management
- 14-784 Information Security Risk Management II
- Or, any of their cross-listed versions
The following two **systems** courses are considered overlapping:
- 15-513 Introduction to Computer Systems
- 18-600 Foundations of Computer Systems

The following two **networking** courses are considered overlapping:
- 14-817 Special Topics: Network Security & Management
- 18-859K Special Topics in Communications: Software-Defined Networking and Network Functions Virtualization
- Or, any of their cross-listed versions

The following two **management** courses are considered overlapping:
- 94-840 Lean Entrepreneurship
- 95-794 Tech Startup: Tools and Techniques
- Or, any of their cross-listed versions

The following **economics** courses are considered overlapping:
- 14-774 Managerial Economics
- 95-710 Economic Analysis
- University of Hyogo Economic Analysis course
- Or, any of their cross-listed versions

The following **database management** courses are considered overlapping:
- 95-813 Intermediate Database Management
- 95-703 Database Management
- Or, any of their cross-listed versions

The following **software project management** courses are considered to be overlapping:
- 17-639 Management of Software Development for Technology Executives
- 17-653 Managing Software Development
- Or, any of their cross-listed versions

The following **software architecture** courses are considered to be overlapping:
- 17-638 Systems Architecture for Managers
- 17-655 Architecture for Software Systems
- Or, any of their cross-listed versions

The following **software product** courses are considered to be overlapping:
- 49-750 Software Product Definition
- 49-752 Product Definition and Validation
- Or, any of their cross-listed versions

The following **software product** courses are considered to be overlapping:
- 49-751 Requirements Analysis
- 49-752 Product Definition and Validation
- Or, any of their cross-listed versions

The following **software management** courses are considered to be overlapping:
- 49-760 Foundations of Software Management
- 49-761 Elements of Software Management
- Or, any of their cross-listed versions
The following **mobile development** courses are considered to be overlapping:

- 18-641: Java Smartphone Development
- 08-723: Mobile Application Development for iOS and Android
- Or, any of their cross-listed versions

The following **machine learning** courses are considered to be overlapping:

- 11-663: Applied Machine Learning
- 10-601: Introduction to Machine Learning
- 10-701: Introduction to Machine Learning (PhD)
- Or, any of their cross-listed versions

The above list is not exhaustive. It is the responsibility of the student to avoid taking courses with topics that overlap with any other courses on their schedule, or else risk losing credit for the redundant course(s). In situations where courses are considered to be overlapping with INI or ECE courses, we recommend that students take the INI or ECE course. If a student has doubts over which courses are considered overlapping, the student should speak with his/her academic advisor.
**Version Table**
*Notates dates course were added or removed from the Overlapping Courses List*

<table>
<thead>
<tr>
<th>VERSION date posted</th>
<th>ADDED/REMOVED</th>
<th>COURSES</th>
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<td>1.0 09-22-2014</td>
<td>ADDED</td>
<td>14-817 and 18-859K</td>
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<tr>
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<td>94-840 and 95-794</td>
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<td>14-774 and 95-710 and University of Hyogo Economic Analysis</td>
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<td>2.0 04-01-2015</td>
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<td>18-739L and 17-632</td>
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<td>17-838 and 17-655</td>
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<td>14-811 and 08-734</td>
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<td>REMOVED</td>
<td>14-642 and 18-349 (starting S17 due to new cross list)</td>
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<td>7.0 01-23-17</td>
<td>Consolidated Security list</td>
<td>Moved 19-601 up to first security list</td>
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