

## Overlapping Courses

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.

***Please note: Course numbers and titles may change. If you notice such a change, please let the INI AAO know prior to enrolling in a course.***

Specifically, the INI sets the following list of exclusions:

The following **security** courses are considered to be overlapping:

- 14-741 Introduction to Information Security
- 15-330/18-330 Introduction to Computer Security
- 18-730 Introduction to Computer Security
- Or, any of their cross-listed versions

The following **security** courses are considered to be overlapping:

- 14-788 Information Security Policy and Management
- 14-817 Cyber Risk Modeling
- Or, any of their cross-listed versions

The following **security** courses are considered to be overlapping:

- 14-817 Cyber Risk Modeling
- 14-782 Information Security Risk Management I
- Or, any of their cross-listed versions

The following **security** courses are considered to be overlapping:

- 14-742 Security in Networked Systems
- 18-731 Network Security
- Or, any of their cross-listed versions

The following **telecommunications** courses are considered to be overlapping:

- 14-740 Fundamentals of Telecommunications Networks
- 18-741 Computer Networks
- 15-641 Computer Networks
- Or, any of their cross-listed versions

The following **distributed systems** courses are considered to be overlapping:

- 15-640 Distributed Systems
- 18-749 Building Reliable Distributed Systems
- 14-736 Distributed Systems: Techniques, Infrastructure, and Services
- Or, any of their cross-listed versions

The following **systems** courses are considered overlapping:

- 15-513 Introduction to Computer Systems
- 18-613 Foundations of Computer Systems
- 14-513 Introduction to Computer Systems
- Or, any of their cross-listed versions

The following **systems** courses are considered to be overlapping:

- 18-349 Introduction to Embedded Systems
- 14-642 Introduction to Embedded Systems
- Or, any of their cross-listed versions

The following **networking** courses are considered to be overlapping:

- 18-750 Wireless Networks and Applications
- 18-759 Wireless Networks
- Or, any of their cross-listed versions

The following **management** courses are considered overlapping:

- 94-840 Datapreneurship – Innovating on Analytics
- 95-794 Tech Startup: Tools and Techniques
- Or, any of their cross-listed versions

The following **economics** courses are considered overlapping:

- 95-710 Economic Analysis
- 14-776 Fundamentals of Business and Management
- Or, any of their cross-listed versions

The following **database** courses are considered overlapping:

- 15-615 Database Applications
- 15-645 Database Systems
- 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 **machine learning** courses are considered to be overlapping:

- 10-601 Introduction to Machine Learning
- 10-701 Introduction to Machine Learning (PhD)
- 10-715 Advanced Introduction to Machine Learning (PhD)
- 14-811 ST: Applied Adversarial Machine Learning
- 18-661 Introduction to Machine Learning for Engineers
- 24-787 Machine Learning and Artificial Intelligence for Engineers
- Or, any of their cross-listed versions

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

- 11-663 Applied Machine Learning
- 49-781 Introduction to Machine Learning
- Or, any of their cross-listed versions

The following **web development** courses are considered to be overlapping:

- 17-637 Web Application Development
- 17-682 JEE Web Application Development
- Or, any of their cross-listed versions

The following **cryptography** courses are considered to be overlapping:

- 18-733 Applied Cryptography
- 15-856 Introduction to Cryptography
- Or, any of their cross-listed versions

The following **cloud computing** courses are considered to be overlapping:

- 15-619 Cloud Computing
- 14-848 Cloud Infrastructure and Services
- 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). If a student has doubts over which courses are considered overlapping, the student should speak with their academic advisor.

### Version Table Overlapping List

\*Notates dates course were added or removed from the Overlapping Courses List

| Date posted | ADDED/REMOVED | COURSES   |
|-------------|---------------|---|
| 9-22-14     | ADDED         | 14-817 and 18-859K; 14-774 and 95-710 and University of Hyogo Economic Analysis; 94-840 and 95-794; 95-813 and 95-703 |
| 4-1-15      | ADDED         | 18-739L and 17-632  |
| 10-30-15    | ADDED         | 17-639 and 17-653; 17-838 and 17-655; 49-750 and 49-752; 49-751 and 49-752; 49-760 and 49-761; 14-742 and 18-732      |

|                 |                            |   |
|-----------------|----------------------------|---|
| <b>4-6-16</b>   | REMOVED                    | 96-787 and 15-619; 15-600, 08-671, 08-672, 15-637; 15-637 and 08-724  |
| <b>10-3-16</b>  | ADDED                      | 18-641 and 08-723; 11-663 and 10-601  |
|                 | REMOVED                    | 14-811 and 08-734   |
| <b>11-4-16</b>  | REMOVED                    | 14-642 and 18-349 (starting S17 due to new cross list)  |
| <b>01-23-17</b> | Consolidated Security list | Moved 19-601 up to first security list  |
|                 | REMOVED                    | 14-742 and 18-731   |
|                 | ADDED                      | 14-788 and 14-784   |
| <b>04-25-17</b> | ADDED                      | 10-701; 18-600 and 15-513   |
| <b>8-7-17</b>   | REMOVED                    | 18-630  |
| <b>10-18-17</b> | ADDED                      | 14-736, 15-640, and 18-749  |
| <b>8-23-18</b>  | ADDED                      | 15-615, 15-645; 15-513; 15-641; 14-776  |
|                 | REMOVED                    | 14-817, 18-859; 18-641, 08-723  |
| <b>1-24-19</b>  | ADDED                      | 17-646  |
| <b>5-6-19</b>   | ADDED                      | 95-882, 17-637  |
| <b>11-13-19</b> | ADDED                      | 10-715 and 18-661   |
| <b>8-17-20</b>  | ADDED                      | 14-817 and 14-782; 14-817 and 14-788, 14-784; 17-682; 18-750 and 18-759   |
|                 | REMOVED                    | 11-663  |
| <b>1-12-22</b>  | ADDED                      | 14-742 and 18-731   |
| <b>1-26-22</b>  | ADDED                      | 18-349 and 14-642   |
| <b>7-1-22</b>   | ADDED                      | 15-619 and 14-848; 11-663 and 49-781  |
|                 | REMOVED                    | 14-744 and University of Hyogo Economic Analysis course; 18-739 and 17-632; 14-784; 90-802 and 95-841; 14-744; 15-349 and 08-761 and 19-601; 95-882; 17-646 |
| <b>1-2-23</b>   | ADDED                      | 14-811  |