2nd ITERATION - FACULTY LOADING SYSTEM

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|  | FL-01 | |
| Use Case Name | User Authentication | |
| Actor(s) | Program Head, Faculty | |
| Basic Flow | Actor Action | System Response |
|  |  | Step 1: System displays log in page |
|  | Step 2: User enters their username and password |  |
|  | Step 3: User click's the log-in button |  |
|  |  | Step 4: System displays the control center of APCIS |
| Alternative Flow | 1. At Step 3: If the username and password did not match | System's display's an error message |
|  | At Step 3: If mismatch occurs 3 times | System will display a timeout of 30 seconds before enable logging in |
| Precondition | User must be registered on APC Information System | |
| Post condition | User was able to login to the system | |

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| Use Case Number | FL-02 | |
| Use Case Name | Program Head views control center | |
| Actor(s) | Program Head | |
| Basic Flow | Actor Action | System Response |
|  | Step 1:Admin clicks “Faculty Loading System” link |  |
|  |  | Step 2: System displays control center  for Faculty Loading System |
| Alternative Flow |  | At Step 2: System may display navigation errors such as:   PHP error |
| Precondition | Program Head must logged on to APCIS. | |
| Post condition | Program Head was able to view control center of Faculty Loading System. | |

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| Use Case Number | FL-03 | |
| Use Case Name | Program Head views subject offerings page | |
| Actor(s) | Program Head | |
| Basic Flow | Actor Action | System Response |
|  | Step 1:Admin clicks “ Subject Table” link |  |
|  |  | Step 2: System displays list of subject offerings |
| Alternative Flow |  | At Step 2: System may not display subject offerings   If the system cannot retrieve the subject table, the system will display an error message. |
|  | Program Head searches a specific subject. | System displays subjects matched |
|  | Program Head sorts subjects | System sorts subjects |
|  | Program Head searches invalid subject. |  |
| Precondition | Program Head must logged on to APCIS. | |
| Post condition | Program Head was able to view control center of Faculty Loading System. | |

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| Use Case Number | FL-04 | |
| Use Case Name | Program Head tags the faculty | |
| Actor(s) | Program Head | |
| Basic Flow | Actor Action | System Response |
|  | Step 1: Program Head clicks "Faculty Loading Module" link |  |
|  |  | Step 2: System displays control center of Faculty Loading Module |
|  | Step 3: Program Head clicks the Tag Faculty Module |  |
|  |  | Step 4: System displays the list of faculty members with checkboxes |
|  | Step 5: Program Head checks the faculty members who will be teaching next term |  |
|  |  | Step 6: System saves the tagged faculty members in the database. |
| Alternative Flow | At Step 5:  The Program Head may not check the faculty members that will not teach next term. |  |
| Precondition | Program Head must logged on to APCIS. | |
| Post condition | Program Head was able to tag faculty members who will teach next term. | |

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|  | FL-05 | |
| Use Case Name | Program Head tags the availability of the faculty | |
| Actor(s) | Program Head | |
| Basic Flow | Actor Action | System Response |
|  | Step 1: Program Head clicks "Faculty Availability" link |  |
|  |  | Step 2: System displays availability table |
|  | Step 3: Program Head tags necessary schedule for faculty members |  |
|  | Step 4: Program Head clicks "Save" button |  |
|  |  | Step 5: System saves data in database |
| Alternative Flow |  | At Step 4: System may display database error messages. |
| Precondition | Program Head must tag at least one faculty member for loading. | |
| Post condition | Program Head was able to tag availability of faculty for loading. | |

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|  | FL-06 | |
| Use Case Name | Program Head encodes Faculty Specialization | |
| Actor(s) | Program Head | |
| Basic Flow | Actor Action | System Response |
|  | Step 1: Program Head clicks “Encodes Specialization" link |  |
|  |  | Step 2: System displays the tables |
|  | Step 3: Program Head matches employee specialization with specialization flag for loading. |  |
|  | Step 4: Program Head clicks "Save" button |  |
|  |  | Step 5: System saves data in database. |
| Alternative Flow |  | At Step 2: System may display empty variables. |
|  | Program Head mismatches specific specialization from database | System displays mismatch |
| Precondition | Program Head must tag at least one faculty. | |
| Post condition | Program Head was able to tag availability of faculty for loading. | |

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|  | FL-07 | |
| Use Case Name | Program Head generates the tentative faculty schedule | |
| Actor(s) | Program Head | |
| Basic Flow | Actor Action | System Response |
|  | Step 1: Program Head clicks "Generate Tentative Load" link |  |
|  |  | Step 2: System displays database |
|  | Step 3: Program Head clicks the "Match" button |  |
|  |  | Step 4: System generates the load schedule of the faculty members |
|  | Step 5: Program Head checks if the generated schedules are appropriate |  |
|  | Step 6: Program Head clicks the "Save" button |  |
|  |  | Step 7: System saves the generated faculty schedule to the system's database. |
| Alternative Flow |  | At Step 6: System may display empty variables. |
| Precondition | At least one faculty member was tagged. | |
| Post condition | Program Head was able to create tentative load for all tagged faculty members. | |

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|  | FL-08 | |
| Use Case Name | Program Head views individual loads | |
| Actor(s) | Program Head | |
| Basic Flow | Actor Action | System Response |
|  | Step 1: Program Head clicks "View Faculty Loads" button |  |
|  |  | Step 2: System displays form for searching faculty's name, year, and term of load |
|  | Step 3: Program Head chooses a faculty, year, and term. |  |
|  | Step 4: Program Head clicks "Submit" button |  |
|  |  | Step 5: System displays load assigned to that faculty. |
| Alternative Flow |  | At Step 5: System may not display any loads. |
| Precondition | Program Head must tag at least 1 faculty and at least 1 subject loaded for that faculty. | |
| Post condition | Program Head was able to view load of faculty | |

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|  | FL-09 | |
| Use Case Name | Faculty views control center | |
| Actor(s) | Program Head | |
| Basic Flow | Actor Action | System Response |
|  | Step 1: Faculty clicks "Faculty Loading System" link |  |
|  |  | Step 2: System displays control center for Faculty Loading System |
| Alternative Flow |  | At Step 2: System may display navigation errors. |
| Precondition | Faculty must logged on to APCIS. | |
| Post condition | Faculty was able to view control center of Faculty Loading System. | |

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|  | FL-10 | |
| Use Case Name | Faculty views load | |
| Actor(s) | Program Head | |
| Basic Flow | Actor Action | System Response |
|  | Step 1: Faculty clicks "View Tentative Load" button |  |
|  |  | Step 2: System displays load table |
| Alternative Flow |  | At Step 2: System may display an empty table. |
| Precondition | Faculty must be registered on APC Information System and has at least 1 subject loaded | |
| Post condition | Faculty was able to view his/her faculty load | |

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|  | FL-11 | |
| Use Case Name | Program Head edits load of faculty | |
| Actor(s) | Program Head | |
| Basic Flow | Actor Action | System Response |
|  | Step 1: Program Head clicks "Edit Tentative Load" button |  |
|  |  | Step 2: System displays form for searching faculty's name, year, and term of load |
|  | Step 3: Program Head chooses a faculty, year, and term. |  |
|  | Step 4: Program Head clicks "Submit" button |  |
|  |  | Step 5: System displays editable load table |
|  | Step 6: Program Head edits necessary cells |  |
|  | Step 7: Program Head clicks "Submit" button |  |
|  |  | Step 8: System displays "Success" messag |
| Alternative Flow |  | At Step 8: System may display errors. |
| Precondition | Program Head must be registered on APC Information System and the faculty must be loaded with at least 1 subject | |
| Post condition | Program Head was able to edit faculty load | |