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| Use Case Number | UC01 | |
| Use Case Name | User Authentication | |
| Actor(s) | Admin, Employee | |
| 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 | UC02 | |
| Use Case Name | Admin views subject offerings page | |
| Actor(s) | Admin | |
| 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 |
|  | Admin searches a specific subject | System displays subjects matched |
|  | Admin sorts subjects | System sorts subject |
|  | Admin searches invalid subject | System displays error message |
| Precondition | Retrieved subject offerings from Registrar. | |
| Post condition | Admin was able to view subject offerings | |

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| Use Case Number | UC03 | |
| Use Case Name | Admin tags the faculty | |
| Actor(s) | Admin | |
| Basic Flow | Actor Action | System Response |
|  | Step 1: Admin clicks "Faculty Loading Module" link |  |
|  |  | Step 2: System displays control center of Faculty Loading Module |
|  | Step 3: Admin clicks the Tag Faculty Module |  |
|  |  | Step 4: System displays the list of faculty members with checkboxes |
|  | Step 5: Admin checks the faculty members who will be teaching next term |  |
|  |  | Step 6: System saves the tagged faculty members in the database. |
| Alternative Flow | 1. At Step 5: The Admin may not check the faculty members that will not teach next term. |  |
| Precondition | Admin must have logged in into APCIS. | |
| Post condition | Admin was able to tag faculty members who will teach next term. | |

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| Use Case Number | UC04 | |
| Use Case Name | Admin tags Availability of Faculty | |
| Actor(s) | Admin | |
| Basic Flow | Actor Action | System Response |
|  | Step 1: Admin clicks "Faculty Availability" link |  |
|  |  | Step 2: System displays availability table |
|  | Step 3: Admin tags necessary schedule for faculty members |  |
|  | Step 4: Admin clicks "Save" button |  |
|  |  | Step 5: System saves data in database |
| Alternative Flow |  | At step 4: System may display database error messages. |
| Precondition | Admin must tag at least one faculty member for loading. | |
| Post condition | Admin was able to tag availability of faculty for loading. | |

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| Use Case Number | UC05 | |
| Use Case Name | Admin encodes Employee Specialization | |
| Actor(s) | Admin | |
| Basic Flow | Actor Action | System Response |
|  | Step 1: Admin clicks "Encode Specialization" link |  |
|  |  | Step 2: System displays 2 tables |
|  | Step 3: Admin matches employee specialization with specialization flag for loading. |  |
|  | Step 4: Admin clicks "Save" button |  |
|  |  | Step 5: System saves data in database. |
| Alternative Flow |  | In Step 2: System may empty variables. |
|  | Admin mismatches specific specialization from database | System displays mismatch |
| Precondition | Admin must tag at least one faculty. | |
| Post condition | Admin was able to encode specialization. | |

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| Use Case Number | UC06 | |
| Use Case Name | Admin generates the tentative faculty schedule | |
| Actor(s) | Admin | |
| Basic Flow | Actor Action | System Response |
|  | Step 1: Admin clicks "Generate Tentative Load" link |  |
|  |  | Step 2: System displays database |
|  | Step 3: Admin clicks the "Match" button |  |
|  |  | Step 4: System generates the load schedule of the faculty members |
|  | Step 5: Admin checks if the generated schedules are appropriate |  |
|  | Step 6: Admin clicks the "Save" button |  |
|  |  | Step 7: System saves the generated faculty schedule to the system's database. |
| Alternative Flow |  | 1. At Step 6: System may display empty variables. |
| Precondition | At least one faculty member was tagged. | |
| Post condition | Admin was able to create tentative load for all tagged faculty members. | |

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| Use Case Number | UC07 | |
| Use Case Name | Admin views individual loads | |
| Actor(s) | Admin | |
| Basic Flow | Actor Action | System Response |
|  | Step 1: Admin clicks "View Faculty Loads" button |  |
|  |  | Step 2: System displays form for searching faculty's name, year, and term of load |
|  | Step 3: Admin chooses a faculty, year, and term. |  |
|  | Step 4: Admin clicks "Submit" button |  |
|  |  | Step 5: System displays load assigned to that faculty. |
| Alternative Flow |  | At Step 5: System may not display any loads. |
| Precondition | Admin must tag at least 1 faculty and at least 1 subject loaded for that faculty. | |
| Post condition | Admin was able to view load of faculty | |

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| Use Case Number | UC08 | |
| Use Case Name | Employee views load | |
| Actor(s) | Employee | |
| Basic Flow | Actor Action | System Response |
|  | Step 1: User clicks "View Tentative Load" button |  |
|  |  | Step 2: System displays load table |
| Alternative Flow |  | Step 2: System may display an empty table |
| Precondition | User must be registered on APC Information System and has at least 1 subject loaded | |
| Post condition | User was able to view his/her faculty load | |

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| Use Case Number | UC09 | |
| Use Case Name | Admin edits load of faculty | |
| Actor(s) | Admin | |
| Basic Flow | Actor Action | System Response |
|  | Step 1: Admin clicks "Edit Tentative Load" button |  |
|  |  | Step 2: System displays form for searching faculty's name, year, and term of load |
|  | Step 3: Admin chooses a faculty, year, and term. |  |
|  | Step 4: Admin clicks "Submit" button |  |
|  |  | Step 5: System displays editable load table |
|  | Step 6: Admin edits necessary cells |  |
|  | Step 7: Admin clicks "Submit" button |  |
|  |  | Step 8: System displays "Success" message |
| Alternative Flow |  | At Step 8: System may display errors |
| Precondition | User must be registered on APC Information System and the faculty must be loaded with at least 1 subject | |
| Post condition | Admin was able to edit faculty load | |