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| Use Case Name: | Provide Updated Class Schedules. | |
| Scenario: | Provide Class Schedules. | |
| Triggering Event: | Start of a New Term. | |
| Brief Description: | To provide the updated class schedules resulting from merging, dissolution and petitioned courses and latest courses for the new term. | |
| Actors: | FACILITY and APCIS. | |
| Related Use Case: | * Checks Class Schedule Details | |
| Stakeholders: | Registrar. | |
| Preconditions: | A new term has started and/or the merging, dissolution and petitioned are consummated. | |
| Post Conditions: | System is provided with the latest and/or updated set of class schedules. | |
| Assumptions: | Class schedule provided is for the current term. | |
| Flow of Activities: | Registrar | APCIS |
| 1.0 Deploys new sets of class schedules | 2.0 Stores new sets of class schedules |
| Exception Conditions: | * No new sets of class schedules. | |

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| Use Case Name: | Checks Class Schedule Details. | |
| Scenario: | Operation of Facilities. | |
| Triggering Event: | Class Schedules. | |
| Brief Description: | Facility Management System checks the class schedules stored in APCIS to operate the facilities. | |
| Actors: | FACILITY and APCIS. | |
| Related Use Case: | * Activates the facilities in a room * Deactivates facilities in a room * Process feedback | |
| Stakeholders: | ITRO. | |
| Preconditions: | A set of class schedules has been provided. | |
| Post Conditions: | System will operate the facilities based on the set of class schedules provided. | |
| Assumptions: | Class schedule provided is updated. | |
| Flow of Activities: | APCIS | Facility |
| 1.0 Provides sets of class schedules | 2.0Checks class schedule provided by APCIS |
| Exception Conditions: | * Suspension of classes. | |

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| Use Case Name: | Activates the Facilities in a room. | |
| Scenario: | Activate Facility X Amount of Minutes Before Class Starts. | |
| Triggering Event: | Based on Class Schedules. | |
| Brief Description: | Activates the facilities in a room based on the class schedule provided by APCIS. | |
| Actors: | FACILITY and APCIS. | |
| Related Use Case: | * Checks Class Schedule Details * Deactivates facilities in a room * Process feedback | |
| Stakeholders: | ITRO. | |
| Preconditions: | On the current time and given timeslot, there is a class. | |
| Post Conditions: | Lights, air condition and/or computers are activated. | |
| Assumptions: | There is a class on the current timeslot. | |
| Flow of Activities: | APCIS | Facility |
| 1. Provides sets of class schedules | 1. Checks class schedule provided by APCIS |
| Exception Conditions: | * No classes for the given timeslot * Suspension of classes | |

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| Use Case Name: | Deactivates facilities in a room. | |
| Scenario: | Deactivates the air conditioner, lights, computers, and projector. | |
| Triggering Event: | Turning off Facilities if:   * Professor is absent * Class is dismissed * Early dismissal | |
| Brief Description: | Deactivates the facilities in a room based on the class schedule provided by APCIS. | |
| Actors: | FACILITY and APCIS. | |
| Related Use Case: | * Checks Class Schedule Details * Activates facilities in a room * Process feedback | |
| Stakeholders: | Registrar and ITRO. | |
| Preconditions: | After the X number of minutes that the sensors had not detected any movement in a room. | |
| Post Conditions: | Lights, air condition and/or computers are deactivated. | |
| Assumptions: | * Professor is absent * Class is dismissed * Early dismissal * Class suspension | |
| Flow of Activities: | APCIS | Facility |
| 1.0 Provides sets of class schedules | 2.0 Checks class schedule provided by APCIS and other preconditions |
| Exception Conditions: | * Class is ongoing * Professor is present for the current timeslot * No suspension of classes | |

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| Use Case Name: | Process Feedback. | |
| Scenario: | Facility Sends Feedback. | |
| Triggering Event: | The time facilities are turned on and/or off. | |
| Brief Description: | System provides feedback base on the behavior of the facility. | |
| Actors: | FACILITY and APCIS. | |
| Related Use Case: | * Checks Class Schedule Details * Activates facilities in a room * Deactivates facilities in a room | |
| Stakeholders: | ITRO. | |
| Preconditions: | Operation of Facilities. | |
| Post Conditions: | Process feedback provided by the facilities. | |
| Assumptions: | Facility was either turned on or off. | |
| Flow of Activities: | APCIS | Facility |
| 1.0 Provides sets of class schedules | 2.0 Provides feedback base on its operation |
| Exception Conditions: | * No suspension of classes | |

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| Use Case Name: | Process Report | |
| Scenario: | Professor reports and feedback of facility. | |
| Triggering Event: | Professor state of facility and its behaviors. | |
| Brief Description: | Professor reports about the state of the facility and is processed together with the facilities’ feedback. | |
| Actors: | PROFESSOR and APCIS. | |
| Related Use Case: | * Reserve additional facility. | |
| Stakeholders: | PROFESSORS and ITRO. | |
| Preconditions: | Operation of facilities | |
| Post Conditions: | Report has been facilitated. | |
| Assumptions: | * Facilities not operating. | |
| Flow of Activities: | Professor | APCIS |
| 1.0 Professor reports facility | 2.0 Assess the report |
| Exception Conditions: | * No suspension of classes | |

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| Use Case Name: | Reserve additional facility. | |
| Scenario: | Professor reserves an additional facility | |
| Triggering Event: | Professor reserved additional facility. | |
| Brief Description: | Professor request a new facility | |
| Actors: | PROFESSOR and APCIS. | |
| Related Use Case: | * Report facility details. | |
| Stakeholders: | PROFESSORS | |
| Preconditions: | Operation of facilities | |
| Post Conditions: | A new facility was given. | |
| Assumptions: | * Faulty equipment’s. * Facilities not operating. * Activities | |
| Flow of Activities: | Professor | APCIS |
| 1.0 Professor reserved a new facility | 2.0 A new room was given |
| Exception Conditions: | * Facility works properly | |