UniTime
Timetabling Manual Data Entry
SSCHED 250
Note: Use CTRL + Left Click to follow links in the Table of Contents.

Table of Contents

Rooms

ROOMS Form .............................................................................................................5

Room Types .............................................................................................................6

Classrooms..................................................................................................................6
Computing Laboratories..............................................................................................6
Teaching Labs............................................................................................................6
Department Rooms....................................................................................................6
Special Use Rooms....................................................................................................7
Non-University Locations..........................................................................................7

Classrooms, Additional Rooms, & Special Use Rooms Column Headings ....8

Bldg & Room................................................................................................................8
Capacity......................................................................................................................8
Availability..................................................................................................................8
Departments................................................................................................................9
Control........................................................................................................................9
Groups..........................................................................................................................9
Features......................................................................................................................9

Room Detail Form ......................................................................................................10

Exam Capacity...........................................................................................................10
Period Preferences.....................................................................................................10

Non-University Locations Column Headings .........................................................11

Location......................................................................................................................11
Capacity......................................................................................................................11
Ignore Too Far (IgnTooFar).........................................................................................11
Ignore Checks (IgnChecks).........................................................................................11
Remaining Columns.................................................................................................11

How to Add Rooms ...................................................................................................12

How to Add a Non-University Location.................................................................12
Entering Details When Adding Non-University Locations........................................13

Room sharing ............................................................................................................14

Setting and Editing Room Preferences .................................................................17

Room Features .........................................................................................................20

Adding Room Features ............................................................................................20

Room Groups ............................................................................................................22
Rooms
The first step in timetabling data entry is to ensure that all rooms to be scheduled are maintained in UniTime. All assigned rooms in UniTime will interface and populate Banner.

Select the Rooms tab located in the side tool bar.

Rooms Form
The Rooms form, shown below, provides an overview of rooms that can be used for your classes or examinations together with the properties of these rooms, such as room features or room availability.

Select a department in the drop down list. (Note: You also can choose to see the LLR or LAB rooms or rooms for examinations - either final or midterm.) The rooms that can be used by this department will appear. To export this list to a PDF, use the Export PDF button.
**Room Types**
The list of rooms is divided into parts based on room types. Typically, you will see classrooms, teaching labs, department rooms, special use rooms, and non-university locations.

**Classrooms**
Instructional rooms assigned to the selected department from the central pool of rooms.

**Computing Laboratories**
Computing laboratories assigned to the selected department from the central pool of rooms.

**Teaching Labs**
Departmental teaching labs used for instruction, such as chemistry and biology labs.

**Department Rooms**
Additional departmental space used for class meetings, such as offices or departmental conference rooms.
Special Use Rooms

Special Use Rooms that belong to the department, such as conference rooms or offices, exist in the room inventory. However, they are not considered as being instructional rooms.

Non-University Locations

Non-University locations are places that are not listed in the room inventory (e.g., a hospital in town). Click on the room type name below the department drop-down list to easily navigate to the list of rooms of this type.
Classrooms, Additional Rooms, & Special Use Rooms
Column Headings

Bldg & Room
Building abbreviation and room number.

Capacity
Seating capacity of the room is the maximum number of students who can have a class there at the same time. Note: Use 9999 for unlimited capacities. Rooms on campus (not non-university locations) need to match the official room inventory. You can request a change in capacity for Rooms other than Classrooms in the Contact Us screen (use the category "Request any other administrative change" or call Academic & Classroom Scheduling at 494-5700).

Availability
Availability is a time grid showing how times in the room are divided among departments that share this room (the list of these departments is in the Departments column).

All times in white, which is the default color, are shared by all departments listed in the Departments column (and no one else). All times in gray are not available for timetabling.

Roll your mouse over the grid to see exact times of special assignments (e.g., a department assigned particular hours - AgrAdmin has FORS 216 on Wednesday from 3:30 p.m. – 5:20 p.m.).

The department that controls this room can change the availability in the Edit Room Availability form. If you control a given room, the Control column is checked. Otherwise, a department can only change sharing of the times that are already assigned to it (e.g., to pass some of these times to another department).

Departments
The Departments category lists the departments sharing this room. The department that controls the room can add/remove departments to/from the list in the Edit Room Availability form.
**Control**

The Control column is checked if the department selected in the drop-down list controls the room. If checked, the department can set up sharing of this room with other departments (note: see the *Edit Room Availability* form).

**Groups**

This category lists the groups to which this room belongs (e.g., FORS 216 belongs to the Classroom room group). You can add/remove the room to/from a group in the *Edit Room Groups* form. This form is accessed from the *Room Detail* form by clicking on the Edit Room Groups button. Read more about room groups in the description of the *Room Groups* form.

**Features**

The Features shows a list of items found in the room. The following global room features are defined and maintained administratively for all rooms:

- 2 Computer Projectors (2CmptProj)
- Audio Recording (AudRec)
- Chalkboard<20 Ft (Ch<20Ft)
- Chalkboard>=20 Ft (Ch>=20Ft)
- Computer (Comp)
- Computer Projection (CompPr)
- Document Camera (Docucam)
- Fixed Seating (FixSeat)
- Horseshoe Arrangement (Horseshoe)
- Tables and Chairs (Tbls&Chrs)
- Tablet Arm Chairs (TblArmChr)
- Theater Seats (ThtrSeat)

You can define your own (departmental) features for the rooms owned by your department on the *Room Features* screen; all such features also will be displayed on the *Rooms* screen. By default, all room features are displayed in a single column, however, there is an option to display them in multiple columns (one column per feature).

Show Room Features in a Column

- Go to Manager Settings screen (to get there, unfold User Preferences in the left hand side menu and click on Settings)
- Click on "Display Room Features In One Column"
- Select "No" for multiple columns
- Click on Update Setting
**Room Detail Form**

When working with rooms from your department, click on any line with information about a room to get to a Room Detail form. If you hover your mouse over a row containing room information, you will notice that the row appears in blue. You may select this room by double clicking.

You will be able to change some properties of the room, such as availability or room sharing, in screens accessible from this Room Detail screen.
Non-University Locations Column Headings

Location
This category is the name of the non-university location.

Capacity
The maximum number of students who can fit in that location at the same time

Ignore Too Far (IgnTooFar)
By default, this columns heading is unchecked. This means that if a class at this location is back to back with a class on campus, there will be a conflict for students. Also, the back-to-back classes cannot be taught by the same instructor.

When checked, there is no time conflict between back-to-back classes (one at this location, the other one on campus). Also, the classes can be taught by the same instructor. The box must be checked.

Ignore Checks (IgnChecks)
By default, this column heading is unchecked, which means that the location is considered to be an equivalent of a room (e.g., meaning that there cannot be two classes at the same time).

When checked, there can be two or more classes taught at the same time at this location (e.g., if the location is a hospital, there can be different classes throughout the hospital at the same time). The box must be checked.

Remaining Columns
The rest of the columns are the same as those for other room categories (see above).

Note: You can sort the list of rooms (within categories) by any of the columns with headings in green letters - just click on the column heading.
**How to Add Rooms**

If you cannot see the rooms you want to use, contact the Academic & Classroom Scheduling.

**How to Add a Non-University Location**

To add a location outside of your department or the university that is not listed (e.g., Home Hospital), proceed in the following manner:

- From the **Rooms** form, select Add Non-University Location.
**Entering Details When Adding Non-University Locations**

**Name**
Name the Non-University Location. Choose a name that is useful for your area. **The limit is ten characters.** The building name is automatically populated as OFFCAMP. You only need to enter a “room” name for this non-University Location.

**Type**
Choose the room type of Non-University Locations.

**Capacity**
Enter 9999.

**Ignore Too Far (IgnTooFar)**
By default, this check box is **unchecked**, which means that if a class at this location is back to back with a class on campus, it will cause a conflict for students. Also, back-to-back classes cannot be taught by the same instructor.

When **checked**, there is no time conflict between back-to-back classes (one at this location, the other one on campus), and then the classes can be taught by the same instructor. **The box must be checked.**
Ignore Checks (IgnChecks)
By default, this check box is unchecked, which means that the location is considered to be an equivalent of a room. This means that there cannot be two classes at the same time.

When the check box is checked, there can be two or more classes taught at the same time at this location. For example, if the location is a hospital, there can be different classes held throughout the hospital at the same time. The box must be checked.

Department
Use the drop down to choose the controlling department for this non-university location.

Room sharing
It is possible to share a room or a certain time in the room with another department.

Follow the steps below to share a room:

- In the Rooms screen, select on the room that you want to share with another department. The example below shows how to share LILY 1135 with another department.
The next screen shows Room Detail. Click on Room Availability button. That takes you to the **Edit Room Availability** screen.

Select the department with which you want to share the room in the drop down list under the time grid. Click Add Department. This adds the department to the list of departments who share the room – this list is displayed to the right from the time grid.
• If needed, assign particular times to the other department and keep the rest for yourself. You may assign a time to a department if you click on the department in the list to the right from the time grid and then click on times that the department should use. An example of this kind of sharing is depicted in the following screen shot.

Note: If you do not assign times explicitly, both of the departments will be able to timetable their classes at any times (that is the “free for all” color) and the department which commits the timetable first gets the requested time. The other department will need to use the times that are left.

• Click Update.

• **Note:** When you set up sharing of a room with another department, you cannot take the room back from the department. You will need to ask the other department to give up that room (in a similar way as setting up room sharing – they would just select their department from the list and click Remove Department, then Update), or you will need to contact Academic and Classroom Scheduling at 494-5700.
Setting and Editing Room Preferences
Room preference on a particular room allows the user to exclude some of his/her rooms from the timetabling process, or use that room only if absolutely necessary (for example, if the department wants to keep one of its rooms empty for unexpected events).

To set up room preferences proceed with the following steps:

- Select the Rooms tab located in the side tool bar.

- This takes you to the Rooms screen for your department.
- Click on the room in your list of rooms. That takes you to the **Room Detail** screen.
- Click on the Edit Room Preference button.

- This takes you to the **Edit Room Preference** screen. Set the room preference.
The meaning of the preference levels is as follows:

- **Prohibited** – never ever use this room (even if required on a class).
- **Strongly Discouraged** – this room is used only if either:
  - The room is required for a class, or
  - The room is preferred or strongly preferred for a class and the solver is not able to put this class into another room.
- **Discouraged** – this room is used if either:
  - The room is required for a class, or
  - The solver is not able to put this class into another room.
- **Neutral** – the default value for room preference.

It is not recommended that you use any other preference level on the room itself.

- **Click Update.**
**Room Features**
There might be special features you want to choose in your rooms (e.g. Audio Input Mac computer labs).

The following instructions will guide you through setting up a feature for your departmental room and indicate which rooms have this feature:

- Click on Features under Rooms in the left hand side menu. That takes you to the **Room Features** screen. Here, you will see the features currently listed as your room features, as well as a list of your rooms which have been flagged as having those features.

**Adding Room Features**
You only may update your features for departmentally owned rooms. The Global Room Features must be updated by an administrator, please contact Academic & Classroom Scheduling at 494-5700.

The following steps will guide you through adding other features to your department room:

- Click **Add New Room Feature**.
This takes you to the Add Room Feature screen. Here, you can set up the feature you plan to add. Select a name that is helpful to you. Note: ignore the Global checkbox. It is for administrative use only.

Supply the name of the feature and abbreviation.

Click Add New.

Now you are back in the Room Features screen. Click on the name of the room feature you just created.

This takes you to the Edit Room Feature Screen. In the Edit Room Feature screen, you will have a list of rooms from your room list set up in the previous section. Click the box for all the rooms that have this feature.

Click Update.
Room Groups

Within the Room Groups form, you can categorize multiple rooms/labs under one name e.g., if you have multiple laboratories for Biochemistry, you can create a room group named Biochm Lab. The group can be named anything that is helpful to you. Note: you may only update your Departmental Room Groups, not the Global Room Groups.

The following instructions will guide you through creating a Room Group:

- Click on Groups under the Rooms heading in the left hand side menu. That takes you to Room Groups form.
- Click Add New Room Group

- Enter the Name of the group and an Abbreviation. Choose a name that is helpful to you. There also is a Description that can be used for further comments for your information only.
- Click Add New (This takes you to the Edit Room Groups screen.).
- Click on the name of the group.

- Check all rooms that should belong to the group (a room can belong to more than one group).

- Click Update
Instructors

The second step with timetabling data entry will be to ensure that all instructors who will be assigned to classes are maintained within UniTime. You will see the list of your instructors when you click on Instructors in the left-hand side menu. Before you start working on classes, make sure that the instructor list is complete.

If the instructor list is not complete, you can manage your instructor list or add a new instructor.
Managing Your Instructor List

To view and manage your instructor list:

- Click Manage Instructor List. It has two parts: (a) Instructors in the Department List, and (b) Instructors not in the Department List.
- Check names to add instructors to your list.
- Uncheck names to remove them from the list (the checked ones will be in your list).
- Click Update.

Adding New Instructors to Your List

To add a new instructor who is not in the Manage Instructor List:

- Return to the initial Instructors page.
- Click the Add New Instructor button.
- For a new instructor, the only mandatory field is his/her last name.
- If you know the instructor’s career account username (i.e., Purdue email), enter it in the Career Account field.
- Look up the instructor’s Purdue ID by clicking the Lookup button. This way, the instructor’s name will be matched with the Purdue ID, which is necessary to get the instructor’s name to Banner. **Note:** You may receive multiple records for the same individual. The lookup feature within the application is pulling employee records from multiples sources.

**Note:** It is sufficient to enter instructors that should be assigned to a class.
**Instructor Detail**

In the **Instructor Detail** screen you can also edit instructor information and change to your own personal preferences.

- Click **Edit Instructor Information**.

- This takes you to the **Edit Instructor** screen. From here, you may change information for this instructor (i.e. notes, email, etc.). **Note**: ID cannot be changed as this is the key field that ties to multiple Purdue applications.

- When you are finished, click **Update**.
Setting Instructor Preferences

You can set preferences of instructors in this section. These preferences are then inherited on any class to which you assign this instructor.

The following instructions describe how to set an instructor’s Time, Building, and Room Feature preferences:

- In the Instructor List, click on the name of the person whose preferences you want to enter.

Note: You may use the Export PDF button to print a copy of all your listed instructors.
• That takes you to the **Instructor Detail** screen. Click Edit Instructor Preferences

![Instructor Detail Screen]

- Edit the preferences.

![Instructor Preferences Screen]
There are Time, Room, Building, and Room Feature preferences you can enter, just like on scheduling subparts or classes as described in the section on preferences.

**Note:** It is not necessary to have an entry in every preference. When finished entering instructor preferences.

- Click Update.

![Room Group Preferences](image)

![Building Preferences](image)
Instructional Offerings

Hints about Navigating within Instructional Offerings

Navigation Information: In this application, the filter at the top left of the Instructional Offerings screen can be used to display a variety of informational items pertaining to your offerings. Click the plus sign (+) to the left of the filter to display these items. Select the check box(es) to choose which items you want to display. When finished, you can close the filter by clicking on the minus sign (-) to the left of the filter.

Note: In most cases, an instructional offering is an equivalent of a course. Within UniTime, if you need to get back to the Instructional Offering Configuration screen, select and click the row that contains the subject and course number.
**Viewing Instructional Offerings**

To see the list of instructional offerings, click on **Instructional Offerings** on the left-hand side menu.

If you have more than one **subject** area, select the subject area you want to work with from the drop down menu and click Search. If you have only one subject area, it will display automatically.

Subject Headers are maintained within Banner and UniTime. If a subject header is added after the roll forward process, an administrator must add the subject header within UniTime. If you do not see the subject header you need, then contact Academic & Classroom Scheduling at 494-5700.

**Note:** Please make sure to reference the Courses Not Offered button or scroll down to the lower half of the screen to view courses that are currently not offered but are available for the current term (see **Adding/Removing Courses**).
Adding/Removing Courses

Check whether all of the courses that should be offered for this semester are in the list of Offered Courses. If not, scroll down to the Courses Not Offered list in the lower part of this screen or use the Courses Not Offered button located at the top right corner of this page to get to the list quickly.

Note: Reference the Suffix column (i.e., CRN-Sec ID). If you do not see this column, click on the + sign located next to the Filter and you may add the column.
Note: You may use the **Edit, Find on this Page (or Ctrl+F)**, to search for a specific piece of data (e.g., to find a CRN).

If the course is displayed in the Not Offered Courses list, then:

- Click on the course you wish to offer. This will take you to the **Instructional Offering Detail** screen.
- Click the Make Offered button which takes you to the **Instructional Offering Configuration** screen.
- This screen is discussed in the **Instructional Offering Configuration** section of this manual.

If the course is not displayed in either section of this page, then:

- Click inside the Course Number box.
- Enter the course number.
- Click Add New.
- This takes you to the **Instructional Offering Detail** screen discussed in the next section (i.e., **Instructional Offering Configuration**).
If an instructional offering is on the list of offered courses, but it is not to be offered this term, then:

- Click on the instructional offering (the line with the course number).
- This takes you to the Instructional Offering Detail screen.
- Click on Make NOT Offered.

**Note:** This action removes ALL instructional offering details for this course. Please use caution.

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**Seeking Help and Troubleshooting**

If you do not find your course, please contact Academic & Classroom Scheduling at 494-5700.

If you add a course that does not exist in the catalog, it will not flow to Banner. Errors such as this will be documented in Banner Messages and will need further attention.
Instructional Offering Configuration

Set up or Modify Instructional Offering Configuration

To set up/modify the configuration of an instructional offering (note: arranged hours offerings are described later in this section):

- In the list of Instructional Offerings, click on the line that contains the number of the course you want to set up or modify.

- This takes you to the Instructional Offering Detail screen. Click Edit Configuration.
That takes you to the Instructional Offering Configuration screen.

Description of the fields:

- **Configuration Name**: Descriptive name of configuration. You may leave this field blank, and the system will generate a system name for you.

- **Configuration Limit**: Controls how many students can enroll in a configuration of the instructional offering. This field is the Master control for the configuration limit and may only be set manually.

  **Note**: Pay careful attention to setting unlimited enrollments. For unlimited enrollment enter 9999 for the Configuration Limit. **DO NOT** select the Unlimited Enrollment button.

- **Instructional Type**:
  - Add - Select from drop down menu the additional instructional type you need for this course offering, then click Add.
  - Delete - Trash bin next to instructional type already listed removes that particular instructional type.

- **Limit per Class**: Limit for each section with this instructional type.

- **Number of Classes**: The number of classes of this instructional type you want to offer. This is calculated by the application (config limit/limit per class).

  **Note**: If you can’t evenly divide your limits out to sum to the overall Configuration Limit, you will need to make one of the instructional type limits sum to greater than or equal to the overall configuration limit. See [Modify Class Limits](#) for additional information.
- **Minutes per Week**: Total number of minutes that a class meets per week. It is important that your instructional offerings have the correct number of minutes per week in this screen as this will determine the time patterns that are available for you to use for this class. **Note**: 1 hour of class is equal to 50 minutes.

- **Number of Rooms**: Number of rooms you require per class. The default is 1. If you want to change it, contact Academic & Classroom Scheduling at 494-5700.

- **Room Ratio**: Used to indicate when you need a room with a capacity different from the size of the class. The default is 1.0 which means the room should seat the number of students in your class. This can be decreased or increased. Please contact Academic & Classroom Scheduling at 494-5700 if you have questions.

- **Managing Department**: Used to determine which manager will timetable this class. See [Setting Managing Department](#) if you have classes within the same instructional type needing to be timetabled by different managers.
**Modifying Class Limits**

In the screen below, notice that your laboratory limit exceeds your Offering Limit. Select the Class Setup button to adjust the limits individually.

Once you click update, this lab limit will change to 49 and match the configuration limit and the lecture limit.

If a range of room sizes are possible for all classes within this instructional type (e.g., you want 10 computing labs that seat a range of 17-23 students each), contact an administrator. **In most cases, you will never use a range.** This option adds flexibility where applicable.
**Grouping**

Besides filling in the fields, you need to set up grouping in this screen if it is necessary for the instructional offering.

**Note:** Grouping in UniTime is equivalent to linking within Banner.

If an attendance relationship must be maintained across types of instructions within a course you will need to do a grouping (e.g., Lec 01 with Rec 01 with Lab 01). Grouping should be used only when necessary as student scheduling flexibility is reduced when grouping is used.

If you want to group Lecture and Lab, click on the arrow located next to the Lab subpart.
Consequently each of the two lectures will have one lab. Students in the first lecture will be scheduled to the first lab; students in the second lecture will be scheduled to the next lab.

Note: In the terminology of this manual (and the terminology of the authors of the application), the instructional type that is more to the left is called a parent and the instructional type that is indented relative to the other type (after the arrow to the right has been clicked) is called a child.

Each of the CRNs will be assigned a link identifier within Banner (i.e., system generated). You may reference Banner form SSASECT or view the Banner Offerings form with UniTime to view the link identifier. See Banner Offerings for more information.
Note: It is important that you set up the configuration before you start adding time/room preferences on the classes, since a change in configuration could result in deleting the preferences from your classes. If a course has large lecture needs and computing labs, please contact us before entering any data for the course.

The application does not check if the configuration that you entered is the same configuration as in the course catalog. You will need to check your Banner Message to see if you have any courses that did not flow to Banner due to configuration problems. These courses will not be timetabled.
Configuration of Independent Study/Research Courses

For independent study courses there are two options.

**Option 1:** The following steps are required if the course does not require a room for meetings and time statement is arrange hours:

- For the Configuration Limit enter 9999.
- Choose the appropriate instructional type (IND or RES) from the dropdown menu.
- Click Add. The configuration name will be system generated. You also can supply your own configuration name.
- Set the limit per Class to 9999 (9999 = unlimited). Press Tab. This will automatically generate the Number of Classes.
- Tab to the number of Minutes per Week. Enter 0 (indicates arr hrs).
- Tab to the Number of Rooms. Enter 0.

**Note:** You can indicate the number of hours to meet (e.g., arr1, arr2), if applicable, by entering an amount in the Minutes per Week box (e.g., 50 minutes, 100 minutes, etc.).
**Option 2:** The course **requires a room** for meetings

- For the Configuration Limit enter 9999.
- Choose the appropriate instructional type (IND or RES) from the dropdown menu.
- Click Add. The configuration name will be system generated. You also can supply your own configuration name.
- Set the limit per Class to 9999. Press Tab. This will automatically generate the Number of Classes.
- Tab to the number of Minutes per Week. Enter 0.
- Tab to the Number of Rooms. Enter 0.

In this case, you need to set a limit for that offering and proceed as you would for any other course: select and add the correct instructional types, set limits per class, number of classes, then set up preferences.

When you are finished with settings in the **Instructional Offering Configuration** screen, click Update. That takes you back to the **Instructional Offering Detail form**. If you have done any grouping, you will see that one of the subparts is indented, indicating the grouping relationship.
Setting Managing Department and Other Class-specific Parameters

Large Lecture and Computing Lab timetables are created and solved separately from departmental timetables. **Note:** The Managing Department determines who timetables the class.

- Select and click on the subject and course number.
This will bring you to the **Instructional Offering Details** screen. To change the Managing Department and/or change limits on specific classes of the same instructional type (from the same scheduling subpart) click on the Class Setup button on the **Instructional Offering Detail** screen located on the right side under the Configuration line.
This takes you to the **Multiple Class Setup** form.

- Make the necessary changes to the fields for the individual class.
- Click Update.

**Multiple Class Setup Form Fields**

**Managing Department:** Used to indicate who is going to timetable the classes of this scheduling subpart (instructional type). Select from the drop down menu. For LLR requests, set the Managing Department to Large Lecture Room Manager, for LAB requests, set it to Computer Lab Manager.

**Date Pattern:** Used to indicate when a class meets during the term. If other than default, select from pull-down menu.

**Display Instructors** and **Display in Schedule Book** are future enhancements and are not being used at this time.
Assign Instructors

Note: When a department’s solution is uncommitted, UniTime no longer sends instructors for sections that required time. Those will get picked up when a solution is committed.

UniTime has two methods of assigning instructors to classes.

Method #1 – Assign Instructors

- Select the row containing the subject and course number. This will take you to the Instructional Offering Detail form.

- From the Instructional Offering Detail screen, select the Assign Instructors button.
• This form allows you to assign instructor names for each section of the course. If you wish to assign more than one instructor, you will need to click the icon located on the right hand side (paper with a plus) and an additional row will appear. Remember, that for a given section your % share needs to sum to 100%. If you wish to delete a row click on the trashcan located on the right hand side.
• Click Update.

Method #2 – Assign Instructors

• Select the class/section to which you want to add an instructor.
Within the **Class Detail** screen you may assign an instructor by selecting the Edit Class button.

From the Edit Class form, select an instructor name from the Instructors drop down list. Click Add Instructor.
- Adjust the percent share and click Update.
Adding Notes to an Instructional Offering

If you wish to add a note that will apply to each class within the course offering, you will need to do the following:

- Select and click on the row containing the subject and course number.

- You will now be on the **Instructional Offering Detail** screen. Click **Edit Course Offering**.
The **Edit Course Offering** form will allow you to type a schedule-of-classes note, which will display on *every CRN associated with the course offering*. The note will be represented in the Banner form SSATEXT.
Schedule Book Notes

If you wish to add a note to a particular section(s) (i.e., a CRN(s) in Banner) within an offering, you will need to do the following:

- From the Instructional Offerings screen, select the course offering you wish to add a note to by selecting and clicking on the row with the subject and course number.

- In order to assign a note to one of the sections or CRNs you will need to select the particular section from the Instructional Offering screen.
- This takes you to the Class Detail screen.
- Select the Edit Class button at the top of the screen. The Edit Class form will provide you with the opportunity to add a note to this section. Insert Screen shot
- Click Update.

Note: The interface will first look at the class note located within the UniTime form, **Edit Class** and place it in SSATEXT. Then if there is a note at the offering level, UniTime form Edit Course form, it will place a comma after the class note and append the course offering note thereafter.
Adding Consent at the Offering Level

The user has the ability to add consent required at the offering level and at the section level.

**Note:** When placing a consent flag at the offering level, the consent will then apply to each class or section.

The following instructions illustrate this functionality:

- From the Instructional Offerings screen, select the course offering you wish to add consent to by clicking on the row with the subject and course number.
• Click on the Edit Course Offering button, and you will be directed to the **Edit Course Offering** form.

![Instructional Offering Detail](image1)

![Edit Course Offering](image2)

• From the Consent drop down list, select the type of consent you wish to place on the course (this will apply to each class associated with the offering).
• Click Update.

**Note:** If a consent feature does not apply to each section of the offering, do NOT place the consent at the course offering level. Place the consent flag on the individual sections with the **Banner Offerings** form (see [Banner Offerings](#)).
**Banner Messages**

This screen allows you to search for instructional offerings that contain Errors when interfacing with Banner. These offerings were not pushed to Banner.

You may use the filter to search by subject area, course number, CRN, Action Type, Message, Cross-List ID, Start Date, Stop Date, Manager, or Department to retrieve up to 1,000 messages. The results may be viewed in either in PDF or CSV formats. All errors must be corrected within UniTime or Banner and the offering must be pushed to Banner again.
In order to push these instructional changes to Banner, you must use the **Banner Offerings** screen. Select the instructional offering you wish to resend.
You will be redirected to the Banner Offering Detail screen. From this screen, you will need to click the Resend to Banner button.
**Banner Offerings: Resend Feature, Modifying Section Ids, Changing Gradable Subpart and Consent at the Section Level**

The **Banner Offering** form provides the functionality to resend classes that did not import correctly, once corrected within the application.

It also provides the user the opportunity to modify section ids, change the gradable subpart and change consent at the section level.

**Note:** These types of changes do NOT require the user to click the resend button.

The following screenshots illustrate this functionality.

- Select **Banner Offerings**.

```plaintext
☐ Course Timetabling
  ☐ Input Data
    ☐ Instructional Offerings
    ☐ Classes
    ☐ Instructors
      ☐ Designator List
    ☐ Rooms
      ☐ Features
      ☐ Groups
    ☐ Distribution PrefS
    ☐ Reservations
    ☐ Class Assignments
  ☐ Banner
    ☐ Banner Messages
    ☐ Banner Offerings
☐ User Preferences
☐ Help
☐ Log Out
```
- You can enter a particular subject and course, or just a particular subject.
- Click on the blue row containing the subject and course number on which you wish to work.

![Banner Offerings](image)

- Click the Edit button.

![Banner Offering Detail](image)

Note: If you do NOT see the Edit button, scroll to the right or use your control button and your mouse wheel to make the screen smaller.
This screen allows you to change the consent on an individual section and change your section ids (system generated).

**Note:** Make sure to use three characters for your section id.

If you wish to change the gradable subpart select the drop down box located next to Configuration Gradable Itype and choose the desired Itype.

**Note:** By changing the gradable subpart, the Banner form SSASECT will be updated to reflect the gradable subpart, populate the approved course credit hours/billing hours and check the appropriate Banner box labeled gradable. The non-gradable subpart will have zero credit/billing hours and will be flagged as non-gradable.
**Preferences for a Scheduling Subpart**

To set preferences for the whole scheduling subpart (i.e., LEC), that is, for all classes in that scheduling subpart, click on the line with the name of the subpart in the **Instructional Offering Detail** screen.

![Image of Instructional Offering Detail screen]

Note: Individual class preferences may be set using the Class Edit feature. See [Preferences for an Individual Class](#).

Now you are on the **Scheduling Subpart Detail** screen. On this screen, you see information about the subpart. Click Edit Subpart.

![Image of Scheduling Subpart Detail screen]
That takes you to the **Edit Scheduling Subpart** form. Here you can set preferences that will apply to all classes in that subpart.

**Time Preferences**

It is essential that you select the appropriate time pattern from the drop down menu and click “Add Time Preference.” You will see an error message if no time pattern is selected (i.e., “Time pattern not selected”). The options you can see reflect the Minutes per Week that you setup in the configuration. If you have the correct number of minutes per week but cannot see the time pattern that you need, please contact us.

After you click “Add Time Preference”, a time grid appears where you can mark your time slot according to your preferences. For example, if you prefer the class to be MF morning, you click on Strongly Preferred, and then click on the time slots corresponding to MF morning.
**Room Group Preferences**

The default room group for departmental classes is Classroom, but you can change that to any room group you have created, or just delete the default room group.

**Room Preferences**

In the first column use the drop down menu to choose the room you prefer (note: the list will show the manager with whom you are working). In the second column, you must select a preference. You can add more than two rooms by clicking on Add Room Preference for each additional room you want to add.

![Room Preferences](image)

Note: If you had a room preference for a room that you had previously (e.g., during the last like semester), but you don’t get it this semester, this preference is not rolled forward.

**Building Preferences**

Similar to Room Preferences, except only buildings are listed. You do not need to list all buildings close to your departmental building for large lecture requests. The timetabling application already attempts to schedule those requests within a set of nearby buildings.
**Room Feature Preferences**

With this drop down menu you have the capability to request rooms with *specific* equipment (e.g., audio recording in the lecture rooms or Mac computers in the computing lab). When you finish with preferences, click Update at the top or bottom of this page to save all of your preferences for the scheduling subpart.

This takes you back to the **Scheduling Subpart Detail** screen. This screen will allow you to verify your changes.
Preferences for an Individual Class

To set up preferences on an individual class, click on the class you wish to adjust from the Instructional Offering Detail screen. This takes you to the Scheduling Subpart Detail Screen.

This takes you to the Class Detail screen. Click Edit Class to go to the Edit Class form. There are several more preferences you can set on a class than on a subpart. This is where you will set the instructor’s name, notes for the manager, and any other individual choices for the class. This screen works just like the subpart screens listed above (e.g., Time, Room, Building, and Room Feature Preferences).
Add Instructors

- To add Instructors, click Add Instructor. This will give you the ability to choose additional instructors from a drop down list of available instructors set up previously (see Instructors).

Add Notes to Schedule Manager

- Include Notes to Schedule Manager for LLR or LAB classes by entering anything that you cannot express by preferences that you see in this screen. For your departmental classes, these notes will be notes to yourself.
- Click Update.
**Cross-listed Courses**

Any courses that meet together need to be set up as a cross-listed offering. This insures student course information will reflect the total demand as well as insure the same time(s) and location(s) are assigned for all courses in the cross list.

The following instructions will help you set up cross listing of courses for your department(s):

- In the **Instructional Offering Detail** screen, click on Cross Lists
This takes you to the **Instructional Offering Cross Lists** screen. There are *three basic types* of cross lists in UniTime that flow to Banner.

**Type 1**
- Cross lists that are identical in nature, meaning same time, room, limit and dates will be set as cross list in UniTime. This means that if the overall course offering limits is 15, then each course will be set to a limit of 15 in UniTime. Regardless of which course a student enrolls in the overall enrollment for both courses must not exceed 15.
- These fields will interface with the maximum fields in SSAXLST within Banner.
Type 2
- Cross lists where each course in the cross list is identical but limits need to be enforced individually. To enforce this limit constraint, we will have to use the consent feature. Although UniTime will appear as if you can designate the limit, during the conversion it will not enforce these limits and will populate Banner with 15 and 15.

Banner Screen

UniTime Screen
You will have to place the consent on this section in order to be able to enforce the limit. To do this, you would go to the **Banner Offering Edit** form and place consent on the class that needs limit enforced.

**Note**: In the example above, the limits of 3 and 12 will not be enforced.

### Type 3

- Only certain sections of an offering are meeting with another section of a different instructional offering.

**Note**: There are cases that are truly outliers for cross lists (e.g., FR 24100).

- As you can see from the previous screen shot, the two offering are created due to the honors class (CRN 19988-003) that meets with CRN 19986-001. There is a distinct section correlation for the cross list.
Not all sections are cross listed. In this case we would create separate offerings and use the “meets with” constraint. If you have this situation, then contact Academic & Classroom Scheduling at 494-5700.

To proceed with a basic cross list follow the steps below:

- From the **Instructional Offering Detail** screen, click on Cross Lists. This takes you to the **Instructional Offering Cross Lists** form.
- On the **Instructional Offering Cross Lists** form, click on the course offering drop-down menu.

- Select the other course that you want to cross list from the drop down menu, click Add. If the course is not there, it needs to be added, either by the department you are crosslisting with, or by an administrator.
After selecting/adding a Course Offering you can see that one of the courses is the controlling course. You may choose which of these you prefer to be the controlling course by clicking on the controlling button for that course. The two courses will now be treated as one class and both courses will be listed under the controlling course. The non-controlling course will now appear in light gray directly under the controlling course on the Instructional Offering Detail screen.

Note: Projected and last term columns are not available at this time.

When finished click update and this takes you back to the Instructional Offering Detail screen.

Note - To cross list or undo a cross list with a course from another department, contact Academic & Classroom Scheduling at 494-5700.
Add Distribution Preferences

To have your classes distributed a certain way throughout the week (e.g., back-to-back or same time/same room), select Distribution Preferences on the left-hand-side menu. This takes you to the Distribution Preferences form.

To add a new distribution preference

- Click on Add Distribution Preference

- Select the Distribution Type from the drop down menu. When you select one, a description will appear under the drop down box. A detailed description for each distribution type is also available in the glossary.
• Select the Structure from the drop down menu. After you select the structure, a description of the structure will appear under the drop down box. A detailed description of each type of structure is also available in the glossary.

• Select the Preference Level.

• Click Add Class to add the first classes to this distribution preference.
  o Select the subject area in the first column,
  o Select the course number in the second column,
  o Select the scheduling subpart in the third column,
  o Select whether you want to include all classes from that scheduling subpart or only a particular class (that is done in the last column).
  o Click Add Class.
- Repeat steps above until you have all the classes you need in this Distribution Preference.
- Click Save.
**Edit an Existing Distribution Preference**

- To edit an existing distribution preference, click on the distribution preference line you want to edit in the list of distribution preferences and edit it.

- Make your changes and click Update.
Tips and Tricks

- To print out your list of classes with preferences, use the Export PDF button available in the Classes or Instructional Offerings screen.

- There are shortcut keys in most screens – just roll your mouse over a button or link and you will see what the shortcut keys for that action are. A list of basic ones:
  
  - Update:  Alt +U
  - Back:  Alt +B
  - Next:  Alt +N
  - Previous:  Alt +P
  - Edit Subpart (in Subpart Detail screen):  Alt +E

- Click on day of the week in a time grid to put preference in for all day.

- After selecting in a drop down menu click outside of drop down to insure mouse wheel does not change selection.

Comments about Class Edit

- For the departmental classes (those timetabled by you, not by the LLR or Lab Manager), the Notes to Schedule Manager go to you, the departmental timetabler.

- Instructor preferences are applied to class when you are adding a new instructor and select “OK” as the answer to “Do you want to inherit preferences?” If you later update the preferences of this instructor, the preferences on your departmental class will also be updated (unless you put some particular preferences on the class itself – in that case, the class preferences have the top priority and cannot be overwritten by instructor’s preferences).

Order of priority in the instructor preferences and/or the room preferences:

- Class
- Instructor
- Subpart
## Glossary

**Distribution Type Definitions:**

<table>
<thead>
<tr>
<th>Term</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Back-To-Back Day</strong></td>
<td>Classes must be offered on adjacent days and may be placed in different rooms. When prohibited or (strongly) discouraged: classes cannot be taught on adjacent days. They also cannot be taught on the same days. This means that there must be at least one day between these classes.</td>
</tr>
<tr>
<td><strong>Minimize Use Of 1h Groups</strong></td>
<td>Minimize number of groups of time that are used by the given classes. The time is spread into the following 10 groups of one hour: 7:30a-8:30a, 8:30a-9:30a, 9:30a-10:30a, 4:30p-5:30p.</td>
</tr>
<tr>
<td><strong>Minimize Use Of 2h Groups</strong></td>
<td>Minimize number of groups of time that are used by the given classes. The time is spread into the following 5 groups of two hours: 7:30a-9:30a, 9:30a-11:30a, 11:30a-1:30p, 1:30p-3:30p, 3:30p-5:30p.</td>
</tr>
<tr>
<td><strong>Minimize Use Of 3h Groups</strong></td>
<td>Minimize number of groups of time that are used by the given classes. The time is spread into the following 3 groups: 7:30a-10:30a, 10:30a-2:30p, 2:30p-5:30p.</td>
</tr>
<tr>
<td><strong>Minimize Use Of 5h Groups</strong></td>
<td>Minimize number of groups of time that are used by the given classes. The time is spread into the following 2 groups: 7:30a-12:30a, 12:30a-5:30p.</td>
</tr>
<tr>
<td><strong>Same Students</strong></td>
<td>Given classes are treated as they are attended by the same students, i.e., they cannot overlap in time and if they are back-to-back the assigned rooms cannot be too far (student limit is used).</td>
</tr>
<tr>
<td><strong>Same Instructor</strong></td>
<td>Given classes are treated as they are taught by the same instructor, i.e., they cannot overlap in time and if they are back-to-back the assigned rooms cannot be too far (instructor limit is used). If the constraint is required and the classes are back-to-back, discouraged and strongly discouraged distances between assigned rooms are also considered.</td>
</tr>
<tr>
<td><strong>Can Share Room</strong></td>
<td>Given classes can share the room (use the room in the same time) if the room is big enough.</td>
</tr>
<tr>
<td><strong>Spread In Time</strong></td>
<td>Given classes have to be spread in time (overlapping of the classes in time needs to be minimized).</td>
</tr>
<tr>
<td><strong>Minimize Number Of Rooms Used</strong></td>
<td>Minimize number of rooms used by the given set of classes.</td>
</tr>
</tbody>
</table>
**Precedence**
Given classes have to be taught in the given order (the first meeting of the first class has to end before the first meeting of the second class etc.). When prohibited or (strongly) discouraged: classes have to be taught in the order reverse to the given one.

**Back-To-Back**
Classes must be offered in adjacent time segments but may be placed in different rooms. Given classes must also be taught on the same days. When prohibited or (strongly) discouraged: no pair of classes can be taught back-to-back. They may not overlap in time, but must be taught on the same days. This means that there must be at least half-hour between these classes.

**Back-To-Back & Same Room**
Classes must be offered in adjacent time segments and must be placed in the same room. Given classes must also be taught on the same days. When prohibited or (strongly) discouraged: classes cannot be back-to-back. There must be at least half-hour between these classes, and they must be taught on the same days and in the same room.

**Same Time**
Given classes must be taught at the same time of day (independent of the actual day the classes meet). For the classes of the same length, this is the same constraint as same start. For classes of different length, the shorter one cannot start before, nor end after, the longer one. When prohibited or (strongly) discouraged: one class may not meet on any day at a time of day that overlaps with that of the other. For example, one class cannot meet M 7:30 while the other meets F 7:30. Note the difference here from the different time constraint that only prohibits the actual class meetings from overlapping.

**Same Days**
Given classes must be taught on the same days. In case of classes of different time patterns, a class with fewer meetings must meet on a subset of the days used by the class with more meetings. For example, if one class pattern is 3x50, all others given in the constraint can only be taught on Monday, Wednesday, or Friday. For a 2x100 class MW, MF, WF is allowed but TTh is prohibited. When prohibited or (strongly) discouraged: any pair of classes cannot be taught on the same days (cannot overlap in days). For instance, if one class is MFW, the second has to be TTh.

**1 Hour Between**
Given classes must have exactly 1 hour in between the end of one and the beginning of another. As with the back-to-back time constraint, given classes must be taught on the same days. When prohibited or (strongly) discouraged: classes cannot have 1 hour in between. They may not overlap in time but must be taught on the same days.
<table>
<thead>
<tr>
<th>Hours Between</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 Hours Between</td>
<td>Given classes must have exactly 2 hours in between the end of one and the beginning of the next class. As with the back-to-back time constraint, given classes must be taught on the same days. When prohibited or (strongly) discouraged: classes cannot have 2 hours in between. They may not overlap in time but must be taught on the same days.</td>
</tr>
<tr>
<td>3 Hours Between</td>
<td>Given classes must have exactly 3 hours in between the end of one and the beginning of the next class. As with the back-to-back time constraint, given classes must be taught on the same days. When prohibited or (strongly) discouraged: classes cannot have 3 hours in between. They may not overlap in time but must be taught on the same days.</td>
</tr>
<tr>
<td>4 Hours Between</td>
<td>Given classes must have exactly 4 hours in between the end of one and the beginning of the next class. As with the back-to-back time constraint, given classes must be taught on the same days. When prohibited or (strongly) discouraged: classes cannot have 4 hours in between. They may not overlap in time but must be taught on the same days.</td>
</tr>
<tr>
<td>5 Hours Between</td>
<td>Given classes must have exactly 5 hours in between the end of one and the beginning of the next class. As with the back-to-back time constraint, given classes must be taught on the same days. When prohibited or (strongly) discouraged: classes cannot have 5 hours in between. They may not overlap in time but must be taught on the same days.</td>
</tr>
<tr>
<td>6 Hours Between</td>
<td>Given classes must have exactly 6 hours in between the end of one and the beginning of the next class. As with the back-to-back time constraint, given classes must be taught on the same days. When prohibited or (strongly) discouraged: classes cannot have 6 hours in between. They may not overlap in time but must be taught on the same days.</td>
</tr>
<tr>
<td>7 Hours Between</td>
<td>Given classes must have exactly 7 hours in between the end of one and the beginning of the next class. As with the back-to-back time constraint, given classes must be taught on the same days. When prohibited or (strongly) discouraged: classes cannot have 7 hours in between. They may not overlap in time but must be taught on the same days.</td>
</tr>
<tr>
<td>8 Hours Between</td>
<td>Given classes must have exactly 8 hours in between the end of one and the beginning of the next class. As with the back-to-back time constraint, given classes must be taught on the same days. When prohibited or (strongly) discouraged: classes cannot have 8 hours in between. They may not overlap in time but must be taught on the same days.</td>
</tr>
<tr>
<td>Constraint</td>
<td>Description</td>
</tr>
<tr>
<td>--------------------</td>
<td>------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Different Time</td>
<td>Given classes cannot overlap in time. They may be taught at the same time of day if they are on different days. For instance, MF 7:30 is compatible with TTh 7:30. When prohibited or (strongly) discouraged: every pair of classes in the constraint must overlap in time.</td>
</tr>
<tr>
<td>90 Minutes Between</td>
<td>Given classes must have exactly 90 minutes in between the end of one and the beginning of the next class. As with the back-to-back time constraint, given classes must be taught on the same days. When prohibited or (strongly) discouraged: classes cannot have 90 minutes in between. They may not overlap in time but must be taught on the same days.</td>
</tr>
<tr>
<td>4.5 Hours Between</td>
<td>Given classes must have exactly 4.5 hours in between the end of one and the beginning of the next class. As with the back-to-back time constraint, given classes must be taught on the same days. When prohibited or (strongly) discouraged: classes cannot have 4.5 hours in between. They may not overlap in time but must be taught on the same days.</td>
</tr>
<tr>
<td>Same Room</td>
<td>Given classes must be taught in the same room. When prohibited or (strongly) discouraged: any pair of classes in the constraint cannot be taught in the same room.</td>
</tr>
<tr>
<td>At Least 1 Hour Between</td>
<td>Given classes have to have 1 hour or more in between class. When prohibited or (strongly) discouraged: given classes have to have less than 1 hour in between.</td>
</tr>
<tr>
<td>Same Start Time</td>
<td>Given classes must start during the same half-hour period of a day (independent of the actual day the classes meet). For instance, MW 7:30 is compatible with TTh 7:30 but not with MWF 8:00. When prohibited or (strongly) discouraged: any pair of classes in the given constraint cannot start during the same half-hour period of any day of the week.</td>
</tr>
<tr>
<td>Less Than 6 Hours Between</td>
<td>Given classes must have less than 6 hours from end of first class to the beginning of the next class. Given classes must also be taught on the same days. When prohibited or (strongly) discouraged: given classes must have 6 or more hours between. This constraint does not carry over from classes taught at the end of one day to the beginning of the next.</td>
</tr>
<tr>
<td>Meet Together</td>
<td>Given classes are meeting together (same as if the given classes require constraints Can Share Room, Same Room, Same Time and Same Days all together).</td>
</tr>
</tbody>
</table>
Structure Definitions:

All Classes
The constraint will apply to all classes in the selected distribution set. For example, a Back-to-Back constraint among three classes seeks to place all three classes sequentially in time such that there are no intervening class times (transition time between classes is taken into account, e.g., if the first class ends at 8:20, the second has to start at 8:30).

Progressive
The distribution constraint is created between classes in one scheduling subpart and the appropriate class(es) in one or more other subparts. This structure links child and parent classes together if subparts have been grouped. Otherwise the first class in one subpart is linked to the first class in the second subpart, etc. For example, if there is a distribution constraint between subpart S1 (having classes A1, A2) and subpart S2 (having classes B1, B2, B3, B4), individual class constraints will be created as follows:

If S1 is the parent of S2 (e.g., recitations B1 and B2 belong to lecture A1, and recitations B3 and B4 belong to lecture A2):
- Constraint posted between classes A1 and B1
- Constraint posted between classes A1 and B2
- Constraint posted between classes A2 and B3
- Constraint posted between classes A2 and B4

If there is no parent/child relation between subparts S1 and S2 (e.g., they are from different offerings or the scheduling subparts are on the same level):
- Constraint posted between classes A1 and B1
- Constraint posted between classes A2 and B2
- Constraint posted between classes A1 and B3
- Constraint posted between classes A2 and B4

Groups of Two
The distribution constraint is applied only on subsets containing two classes in the selected distribution set. A constraint is posted between the first two classes (in the order listed), then between the second two classes, etc.

Groups of Three
The distribution constraint is applied only on subsets containing three classes in the selected distribution set. A constraint is posted between the first three classes (in the order listed), then between the second three classes, etc.
**Groups of Four**
The distribution constraint is applied only on subsets containing four classes in the selected distribution set. A constraint is posted between the first four classes (in the order listed), then between the second four classes, etc.

**Groups of Five**
The distribution constraint is applied only on subsets containing five classes in the selected distribution set. A constraint is posted between the first five classes (in the order listed), then between the second five classes, etc.
**Pairwise**
The distribution constraint is created between every pair of classes in the selected distribution set. Therefore, if $n$ classes are in the set, $n(n-1)/2$ constraints will be posted among the classes. This structure should not be used with `required` or `prohibited` preferences on sets containing more than a few classes.