

# 1.1 User's Manual

Echelon Planner is a web based application that allows for the registration of courses offered at Concordia University in Software Engineering. Echelon Planner allows for software engineering students to register for courses either automatically or allowing them to manually select the courses which they want. This scheduler works for all four years they are enrolled at the University. This service can only be accessed by undergraduate software engineering students in the Engineering and Computer Science Department.

## 1.1.1 Login Screen

The login screen is the first screen that appears once you reach the Echelon Planner website at <https://echelonplanner.me>. A valid username and password, which are linked to a user account, will be required to be given into the specified fields for users of the service to be authenticated. If an invalid username or password is provided, the system will return a message saying so. If you do not have a user account for Echelon Planner, you may go the registration page to create one by following the link provided. For details on the registration process go to the registration page section. For additional details of the login page, refer to the diagram below.

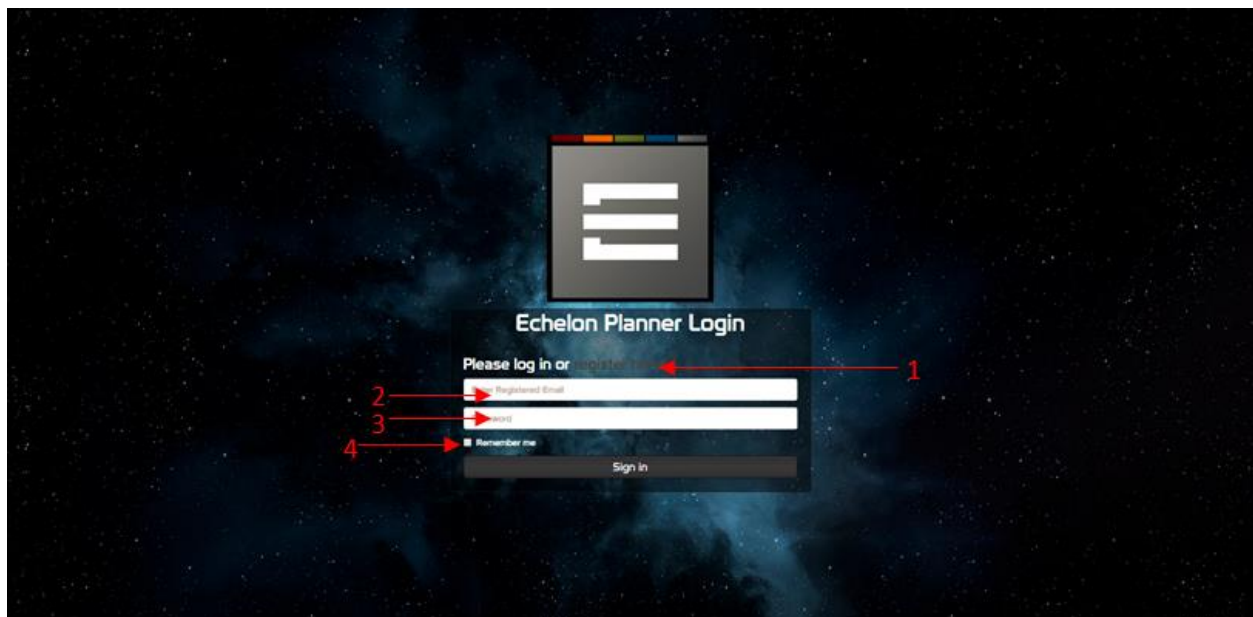


Figure 1: Login Page

## *Features of login page:*

1. Registration Link
2. Username Field
3. Password Field
4. Checkbox to remember entries for above fields (entries will only be remembered for current session.)
5. Sign In button to allow the system to authenticate information in the specified fields.

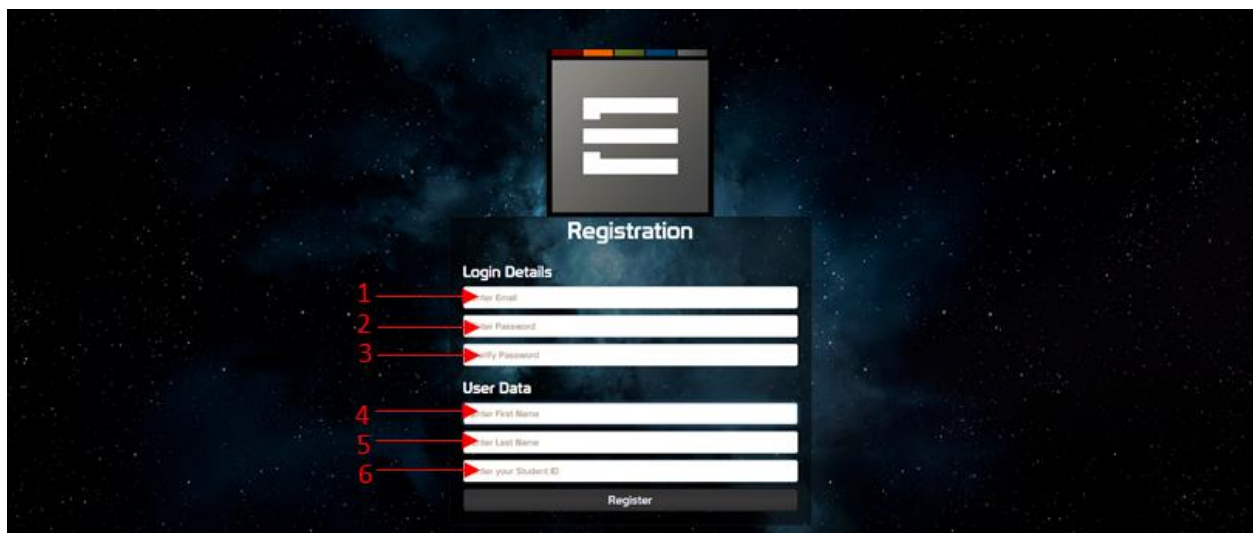
If the entries in the username and password fields are not valid, the following message will be shown.



*Figure 2: Login error message*

### **1.1.2Registration Page**

After following the register link provided it the login page. To register to become a user of the Echelon Planner system, details for your user account will need to be provided. These details include an Email address, a password, verification of the password, your first and last name, and your student ID. The username for your account will be the email provided here. For details of the registration page, refer to the diagram below.



*Figure 3: Registration page*

## ***Features of the Registration page:***

1. Email Field, entries for this field should look like: example@example.com
2. Password Field, entries for this field can be anything you want
3. Verification of Password Field, has to match the first password field
4. First name Field
5. Last name Field
6. Student ID field, your studentID given to you.

If any of the information is not filled, the following messages will be displayed.



*Figure 4: Registration fields left blank error messages*

If the passwords the password field and the Verification of password field do not match, you will be returned to the registration page. Once successfully registered, you will be taken back to the login page where you can login with your new account.

### 1.1.3 Main Page

Upon a successful login, you will arrive at the main page. From here, you begin to use the services and tools provided to enable you to register for courses.



Figure 5: Main Page

#### *Features of the main page*

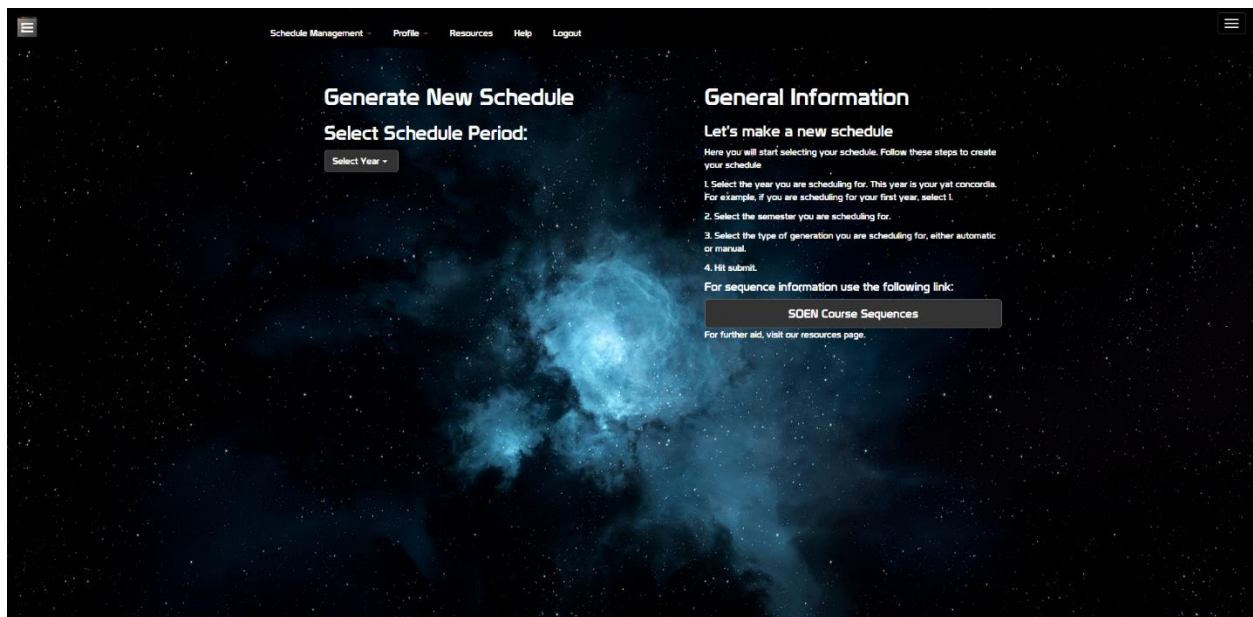
1. Schedule Management menu: Contains tools for Schedule Management detailed below
  - a. Generate: Takes you to the Schedule Generator.
  - b. View: Takes you to a page that allows you to view your schedules.
  - c. Manage Preferences: Takes you to a page that allows you to manage your preferences
  - d. Browse all courses: Takes you to a page that allows you to browse all courses and information about a specific courses.
2. Profile menu: Contains tool to manage your profile.
  - a. Inspect: Takes you to a page that shows you your user profile.
  - b. Modify Details: Takes you to a page that allows you to modify details about you.
  - c. Change Email: Takes you to a page to change your email.
  - d. Change Password: Takes you to a page to change your password.
3. Resources: Takes you to a page that contains helpful resources.
4. Help: Under Construction.
5. Logout: Disconnects you from the system.
6. Schedule Generator button: Takes you directly to the Schedule Generator.
7. Profile button: Takes you to a page that shows you your user profile
8. Resources button: Takes you to a page that contains helpful resources.
9. Help button: Under Construction.

## 1.1.4 Scheduler Management:

This is where all the tools you will need for managing your class schedule are located. Here you can generate your schedule, view your schedule, modify your preferences, and browse all the courses available. Each of these features has a section below outlining how they can be used.

### *Generate:*

This is the main page for the Schedule generator. On the left side there are various different options to choose from. These options open up as you select an option for the last option. On the right hand side you have a very brief list of steps to follow for generating your schedule.

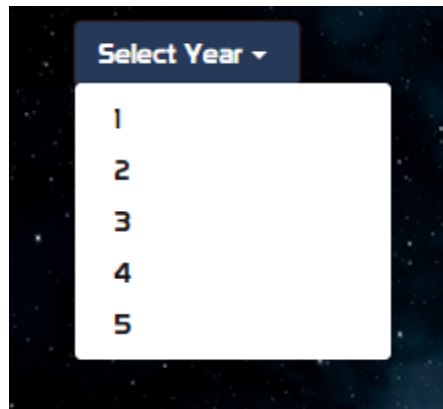


*Figure 6: Main Schedule generation page*

The details list of steps is outlined below.

### **Step 1: Select a year:**

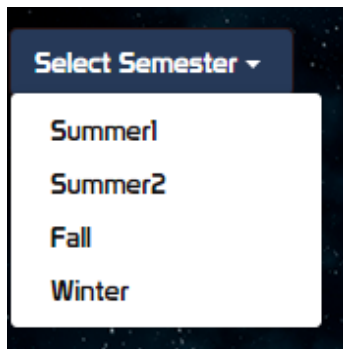
On the left, the first option that appears is the “Select Year” option. Here you can select for which year you are scheduling courses for. This is specified by which year you are going to be entering. For example if you have spent two years at Concordia and want to schedule for your third, you would select three. If you have just arrived at Concordia, congrats, you select one. If your need exceeds five years, please see the officials at the registrar’s office. Below is an image of the menu.



*Figure 7: Year options*

### **Step 2: Select the semester**

Once you have selected a year, you now have the option of selecting a semester. Since there can only be four semesters in a year, you must pick from one of these. They include, Fall, Winter, Summer Semester 1 which is noted as Summer1, and Summer Semester 2 which is noted as Summer2. Pick which you are registering for. Below is an image of the menu.



*Figure 8: Semester options*

### **Step 3:**

After completing steps 1 and 2, you will be given the option of creating a schedule manually, or automatically. Manual generation allows you to specify the lecture, tutorial, and lab sections. Automatic generation picks all of these for you. Keep in mind that both require you to specify the courses you wish to take. Below is an image of the two option buttons.

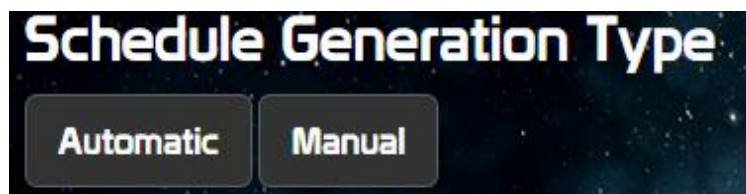




Figure 9: Generation type options

#### Step 4: Hit Begin

This is the very last step before you go on to pick your courses. Once you pick a type of schedule generation, that option will be highlighted. Below is an image of the final menu. Once you are ready hit begin on the webpage. This will take you to the appropriate webpage for which type of schedule generation you have decided on.

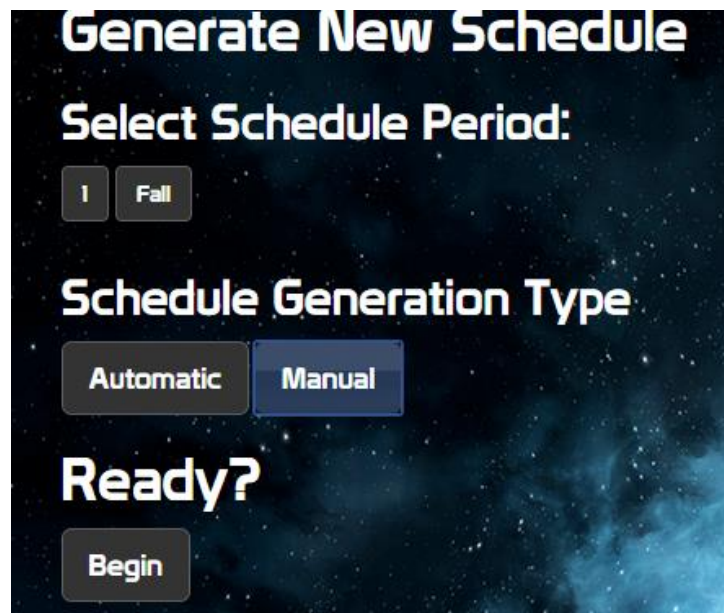
A screenshot of a web form titled "Generate New Schedule". The background is a dark space with a blue nebula. The form has three sections: "Select Schedule Period:" with buttons for "1" and "Fall"; "Schedule Generation Type" with buttons for "Automatic" and "Manual" (which is highlighted with a blue border); and "Ready?" with a "Begin" button.

Figure 10: Schedule generation options filled out

#### Automatic Schedule Generation:

For automatic schedule generation, all that needs to be done is to specify which courses you will want to attend for the semester and year specified before. This is shown above the drop down menus for the courses. Below is an image of the page without any courses selected.

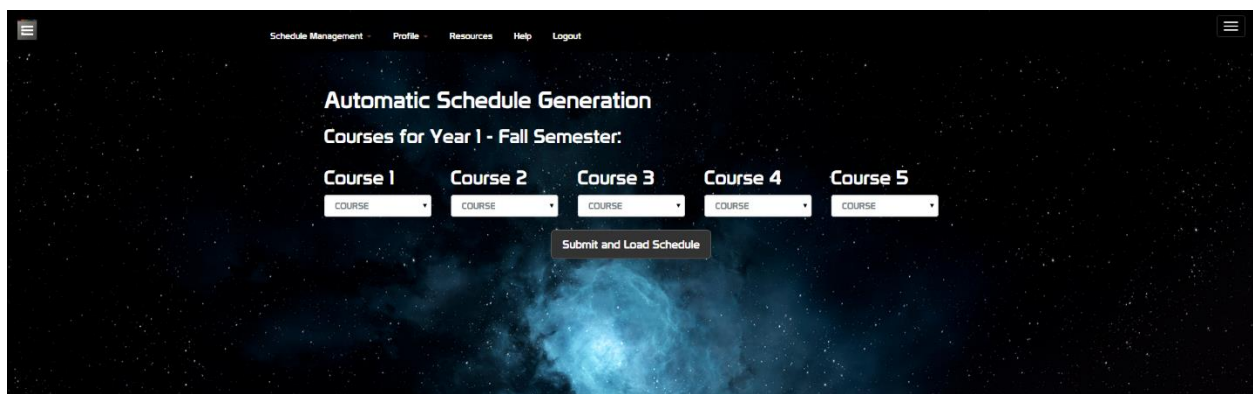
A screenshot of a web page titled "Automatic Schedule Generation". The background is a dark space with a blue nebula. The page has a navigation bar at the top with links: "Schedule Management", "Profile", "Resources", "Help", and "Logout". Below the navigation bar, the title "Automatic Schedule Generation" is followed by "Courses for Year 1 - Fall Semester:". There are five course selection fields labeled "Course 1" through "Course 5", each with a dropdown menu showing "COURSE". Below these fields is a "Submit and Load Schedule" button.

Figure 11: Automatic Schedule generator page

### Manual Schedule Generation:

For manual schedule generation, you must specify which course you want to take. Once you have specified a course, the lecture option underneath it will open up, allowing you to select a lecture for the course. Once that is done, the tutorial option will open up if the course has a tutorial. If the course has a tutorial and a lab, the lab option will open up once you have specified a tutorial. If the course has no tutorial but a lab, then the lab option will open up. If a course has neither a lab nor a tutorial, then neither of the options will open up. Below is an image of the manual selection page without picking any courses.

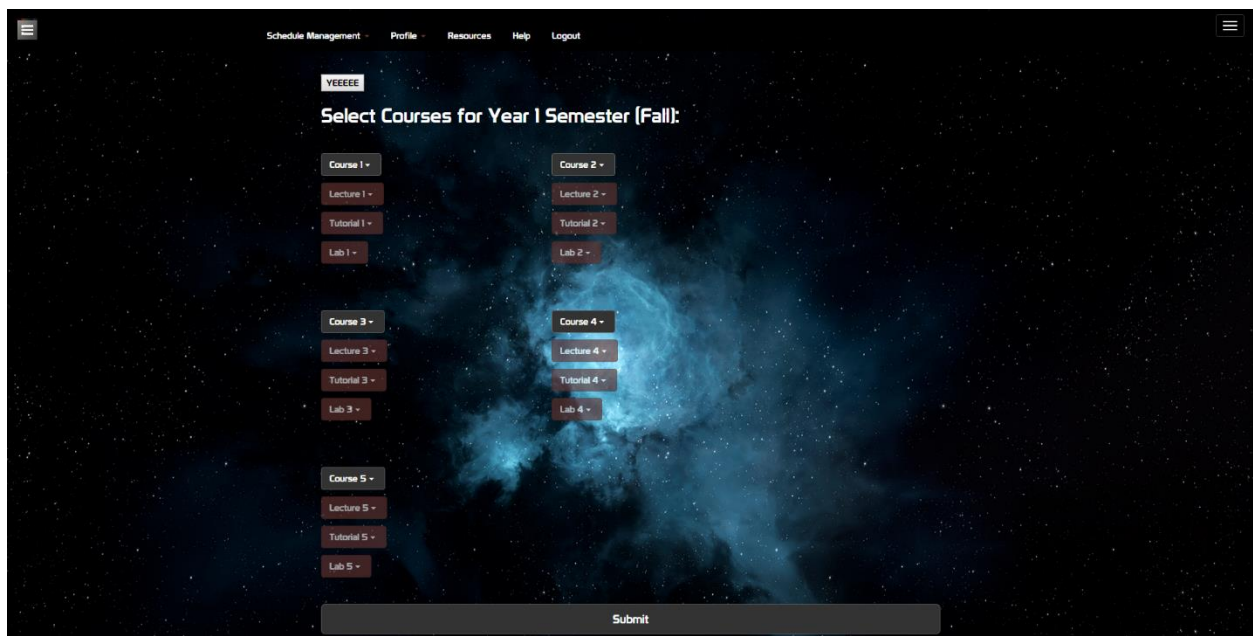
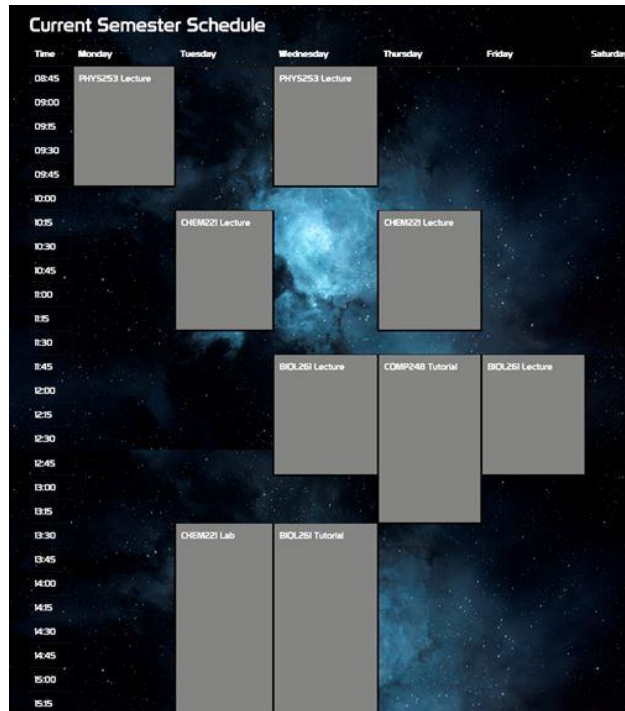


Figure 12: Manual Schedule generation page

### View:

A view of your Schedule for your registered courses. The courses are arranged in a timetable as shown with the example below.





*Figure 13: Schedule View for a Specific Semester and Year*

### ***Browse All Courses:***

This features shows all the course available and allows you to filter them and only show those that match the filter. These filters include department, credit amount, and search by name. The department filter lets you filter course that belong to the SOEN, COMP, or ENGR department or allows for any department to be shown. The credit amount filters the courses based on the amount of credits the course is worth. This filter allows you to show courses that have 4 or less, 3, 2, or 1 credit associated to them. The search by name allows you to search for a course by name such as “Web-based Enter. App Design”, or department and course number such as “SOEN387.” The search by name filter overrides the previous to filters. Once you have selected you filters, press the find button to filter the courses as specified. Refer to figure below for additional details.

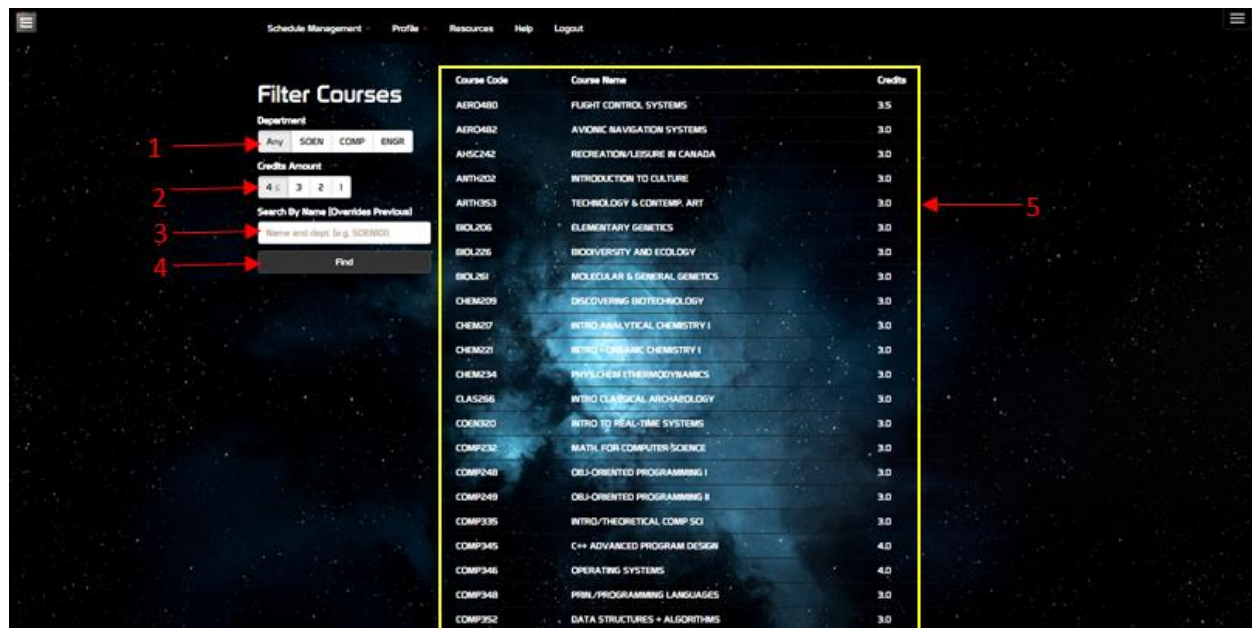


Figure 14: Browse all course page

## Features of Browse

1. Department Filter
2. Credit Filter
3. Search by Name field
4. Find Button
5. Course List

By click on a specific course you can pull up a page that shows specific details about that course.

Below is an image of the specific details of the ELEC 275 course.

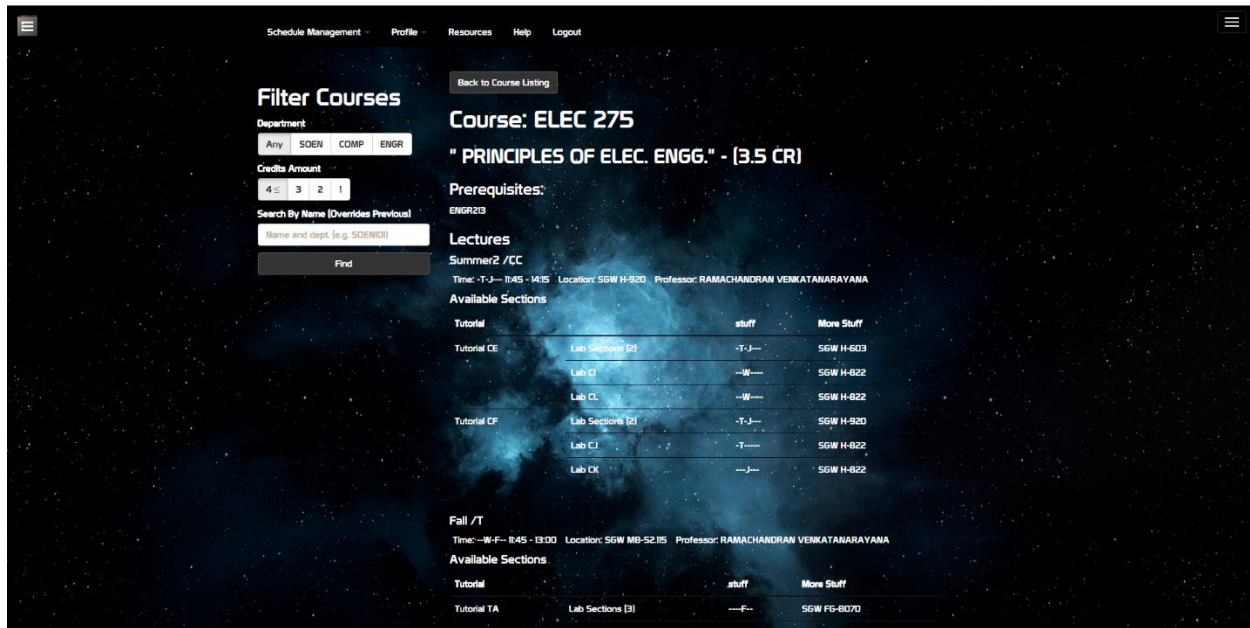


Figure 15: Specific course information

## 1.1.5 User Profile:

This tab allows you to view for user details and change specific entries.

### *Inspect:*

This Option shows a general view of your Account Settings. It also give you a few options, which are also available under the “My Profile” tab, to change certain setting about your user account. Click on any of the options in the page or under the tab to change those settings or details. For information on how to change those setting or details, please view the appropriate section below.

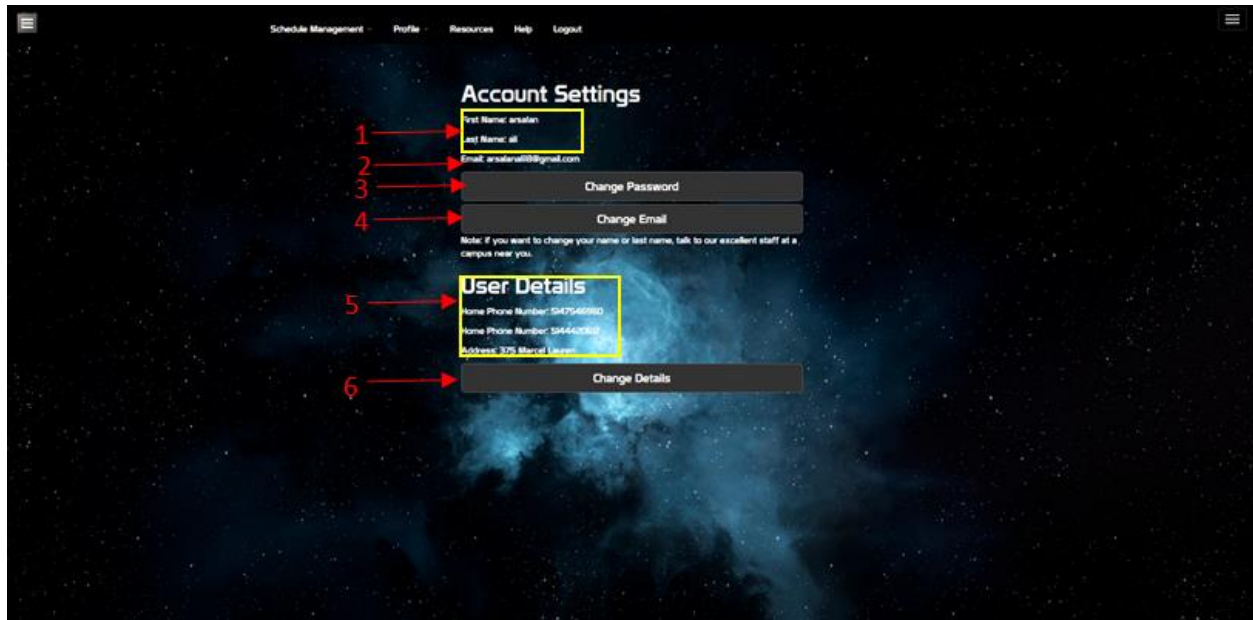


Figure 16: Main account page

### Account Setting features

1. First and Last names
2. Email Address
3. Change Password option
4. Change Email option
5. User Details
6. Modify Details option

To change your first or last name, please contact our excellent staff at a campus near you.

### ***Modify Details:***

To modify details, simply enter the details in the appropriate fields. Refer to the figure below for additional information. Once the new information is in their appropriate fields, hit the save changes button to commit them to your user account.

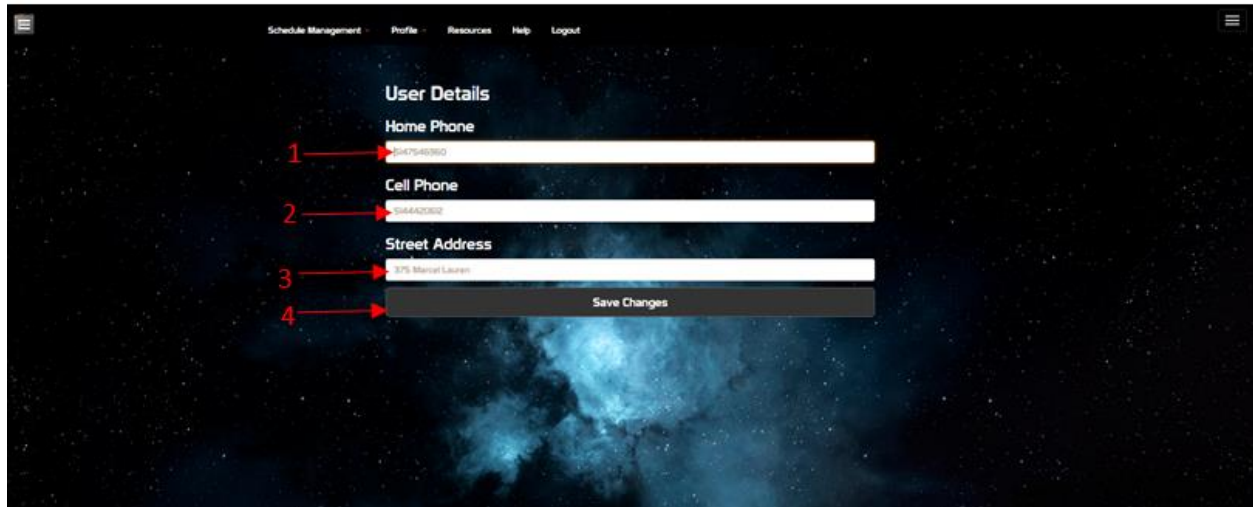


Figure 17: User Details Change

#### User Details Features:

1. New Home Phone Number Field
2. New Cell Phone Number Field
3. New Address Field
4. Save changes button

#### Change Email:

To modify your email address, simply enter the new email in the appropriate field and enter it again in the verify field. Refer to the figure below for additional information. Once the new email address is in both fields, hit the change email button to change the email linked to your account. If the two fields contain the same email address, then the email address in your account will be changed, otherwise, you will be brought back to the same page and an error message will be shown.

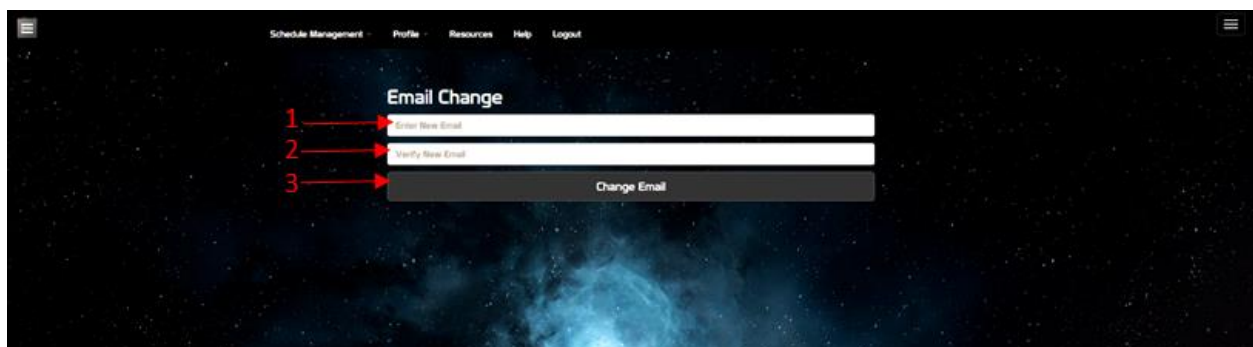


Figure 18: Email Change page

### Change email features:

1. New email field
2. Verify email field
3. Change email button

### ***Change Password:***

To modify your password, simply enter the password in the appropriate field and enter it again in the verify field. Refer to the figure below for additional information. Once the password is in both fields, hit the change password button to change the password linked to your account. If the two fields contain the same password, then the password for your account will be changed, otherwise, you will be brought back to the same page and an error message will be shown.



*Figure 19: Password change page*

### Change Password features:

1. Current password field
2. New password field
3. Verify password field
4. Change password button



## 1.1.6Resources

This is the resources page. It contains links to valuable resources offered by Concordia. These resources are highlighted below.



Figure 20: Resources page

### *Resources features:*

1. Concordia's main website
2. The Engineering and Computer Science web site
3. Software engineering web page
4. The Class schedule
5. The course calendar
6. Software engineering course sequences

## 1.1.7Work in Progress

If you ever see the following image on any page you try and access, that means that the page is currently being worked on and is unavailable for use. Check back at a later time for this page to be up and running.

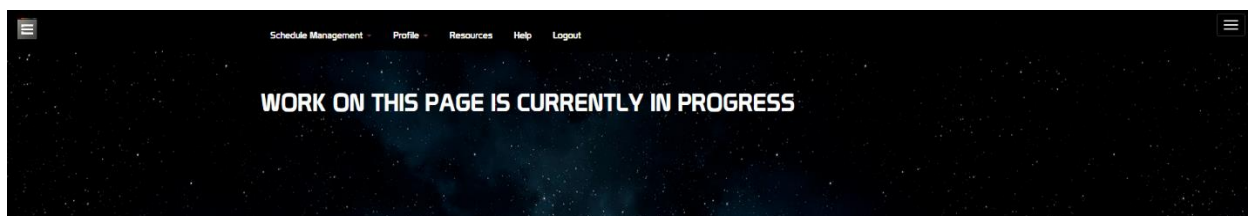


Figure 21: Work in progress page