



INTRODUCTION

The UNH Education Abroad Office supports undergraduates to study, intern, and do research abroad. In this project, we have improved the advising process by developing an online database tool. The web-faced database will help advisors and students search for Discovery courses that have been evaluated for transfer credit from UNH-approved and exchange study abroad programs. Students of different UNH majors can take the Discovery courses abroad and benefit by using this database in their planning process.

PROBLEM/ REQUIREMENT

- The UNH Education Abroad Office and Registrar's Office currently use spreadsheets to track study abroad course equivalencies for Discovery courses. These spreadsheets are only accessible by Education Abroad office staff and the Registrar's office. Education Abroad staff must copy and paste information from the spreadsheets to send to students during the advising process. This is time-consuming and repetitive. Academic advisors across the colleges don't currently have access to the spreadsheets.
- The client requested for us to implement a more user-friendly and efficient way to manage the spreadsheet data so that the information is public-facing on the Education Abroad website. The Registrar's office will maintain control of study abroad course evaluations by updating the online database

GOALS

- Create a study abroad advising tool that is simple, efficient, and easily accessible on the Education Abroad website.
- Stay in compliance with UNH web guidelines so that the database can be transitioned to the EA website and become fully operational.
- Work closely with the client to meet their requests at the same time collaborating with UNH technology for advice about using Drupal for the EA Website.
- Create a training manual for the Registrar's office so that the database can be easily updated over time.

CREDITS & ACKNOWLEDGEMENTS

Our group would like to thank Catherine, Laura, and Eric for sponsoring this project and guiding our project team during the Study Abroad Course Transfer Database's development. We would also like to thank TeamDynamix and IT support, Scott and Gina for constantly helping us out with setup and permissions throughout the development process.

Study Abroad Course Transfer Database Ramya Bathula, Ryan Lawes, & Michael Survilas

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DESIGN & OUTPUT

Drupol University of New Hampshire Study Abroad Course Transfer Database

Study Abroad Home Study Abroad Course Search

Homepage

The middle tab in the menu above will direct you to the Study Abroad Course Transfer Database provides UNH transfer credit information about courses taken by UNH students through approved, managed and exchange study abroad programs. The information provided in the Database is updated constantly and is subject to change.

For current students to guarantee that transfer coursework from approved, managed and exchange study abroad programs will be accepted by UNH, students must complete a Study Abroad Course Planning Form that is part of the study abroad registration process. Take note that, the Study Abroad Course Transfer Database is not a substitute to the Study Abroad Course Planning Form.

The Registrar's Office is responsible for determining Discovery and general elective credit. A student's academic advisor is responsible for evaluating any courses that may satisfy major requirements. The Education Abroad Advisors are responsible for assigning credit values on the study abroad course planning

NH University of New Hampshire

Study Abroad Cou	urse Transfer Datab
Study Abroad Home	Study Abroad Course

Study Abroad Course Transfer Database

Search by Country Czech republic		Search by Institution Charles university		
Czech Republic	Charles University	ART	301	Czech Art & Arch
Czech Republic	Charles University	ART	304	Music and Mode Music between a Language and Lo
Czech Republic	Charles University	ART	321	Art Photo & Gen
Czech Republic	Charles University	ART	322	Art Photography Loci
Czech Republic	Charles University	ART	323	Alternative Cultu

As you can see in the image above, the top navigation bars have the necessary tabs to navigate to useful resources. Users will be able to search the database through search criteria (Country, Institution & Disc/Elect). This then outputs the list of courses as you can see in the image. Faculty can also log in and add/edit courses in the database.



TESTING & MAINTENANCE

maintain it from there.

IMPLEMENTATION

- access our databases.
- the proof of concept.

CONCLUSION

- colleges.
- edit and delete courses.
- to the problem.





Manual functional testing will be performed on the website where actual system usage is simulated to check if the system behaves as it is supposed to and if all major requirements are covered. Additionally, a SimpleTest module: Drupal's custom testing framework will be installed as it helps to perform automated functional testing by creating series of tests and assertions appropriate to the site.

• This Drupal v7 website will be handed over to TeamDynamix and they will update the website to Drupal v9 and host it on the Global site and

• An open-source CMS and a web development framework named Drupal was used to set up and deploy the web application for the front-end users to view and access. Appropriate APIs, Modules, and custom plugins were installed to make direct changes to the Drupal website as an administrator. These modules such as Content Creation, Content Structure, Views creator and Search APIs helped to incorporate additional features such as search, dropdown menus, views, and so on. • To structure the database, customized placeholders were created. Drupal calls content that will define exactly how information should be entered into the database. With the data defined properly, the Views module within Drupal was used to style the outputted data into a table format. The phpMyAdmin was used as an SQL coding environment to

• The UNH style theme was incorporated by TeamDyanmix after showing

• The Drupal web application is hosted on the UNH server named unhsas and is available to view to the public. The students and advisors can now easily navigate the Discovery courses that have been evaluated by the Registrar's office for study abroad transfer credit. This application will serve as a model for building a major course transfer database for all UNH

Future Goals – The project is shown to Team Dynamix as proof of concept, and they will take over to implement future goals. Another goal the team is currently focusing on is Faculty (Superusers) login to the website so that they can and view additional columns and be able to add,

Improvements – The usage of the Drupal CMS has slowed down our progress due to a lack of resources and self-learning. Drupal should have been explored locally first instead of hosting it on the UNH server as this created a lot of dependencies and permission to work on the site. Using an alternative technology such as Flask with more resources would have helped the team to self-learn quickly provide a better-completed solution