

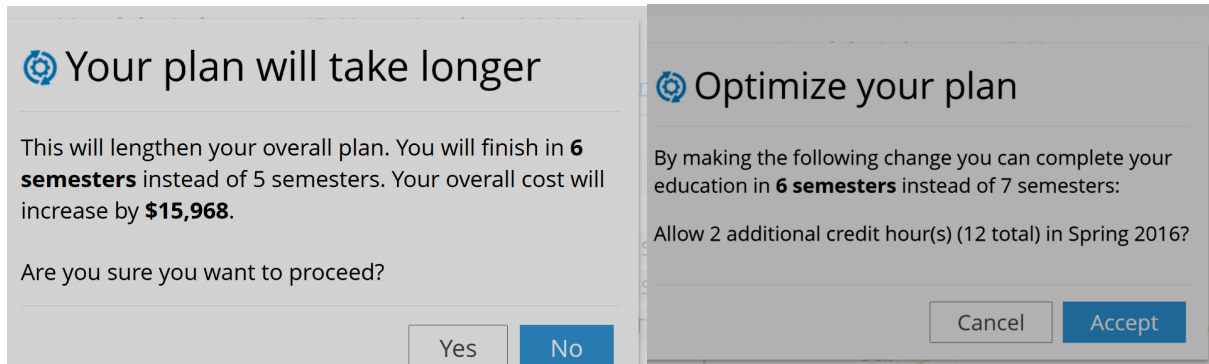
ATOEC Meeting Agenda
Tuesday, October 10, 2017
3:30-5:00 pm, HUB119

- 1) Approve September Minutes
- 2) Attendance
- 3) Introduction of new Student Member & Guests
- 4) Old Business:
 - a. 2017-2018 ATOEC Committee Introductions
 - i. Members
 1. Michael Davidson (2017-2020)
 2. Robin DeRosa (2015-2018)
 3. Wilson Garcia (2017-2020)
 4. Lynn Johnson (2017-2020)
 5. Mary Beth Ray (2016-2019)
 6. Francis Williams (2015-2018)
 7. Christin Wixson (2016-2019)
 8. Donna Driscoll (2017-2018)
 9. Student (Open – Faculty Senate Selection)
 10. Student: William Carroll (2017-2018)
 11. Student (Open)
 12. Director of Client Services: JoAnn Guilmett
 13. Assistant Vice President & Chief Information Officer of Information Technologies: Richard Grossman
 14. Academic Affairs Officer: Robyn Parker
 15. Director of the Applications & Development (A&D) Team (non-voting): Ken Kochien
 16. Observer: A M A Elman Bashar
 - b. Student Member Selection Process
 - c. Online/Distance Learning Policy Review Work Group Update
 - d. Posting of Minutes Update
 - e. WeBWork Update
- 5) New Business:
 - a. EduNav Presentation – Marcia Schmidt Blaine (3:30)
 - b. Technology Innovation Proposals
 - i. Movement Technique Education (4:10 pm)
 - c. Technology for Enhanced Learning Spaces Proposal
 - i. Cybersecurity and Digital Forensics Lab
 - d. ATOEC Bylaws: Function
 - i. Review Current Function (see attached)
 - ii. Revisiting the Technology and Innovation White Paper (2016):
<https://www.plymouth.edu/committee/faculty/faculty-committees-and-appointed-groups/academic-technology-and-online-education-committee/discussions/>
 - e. Other

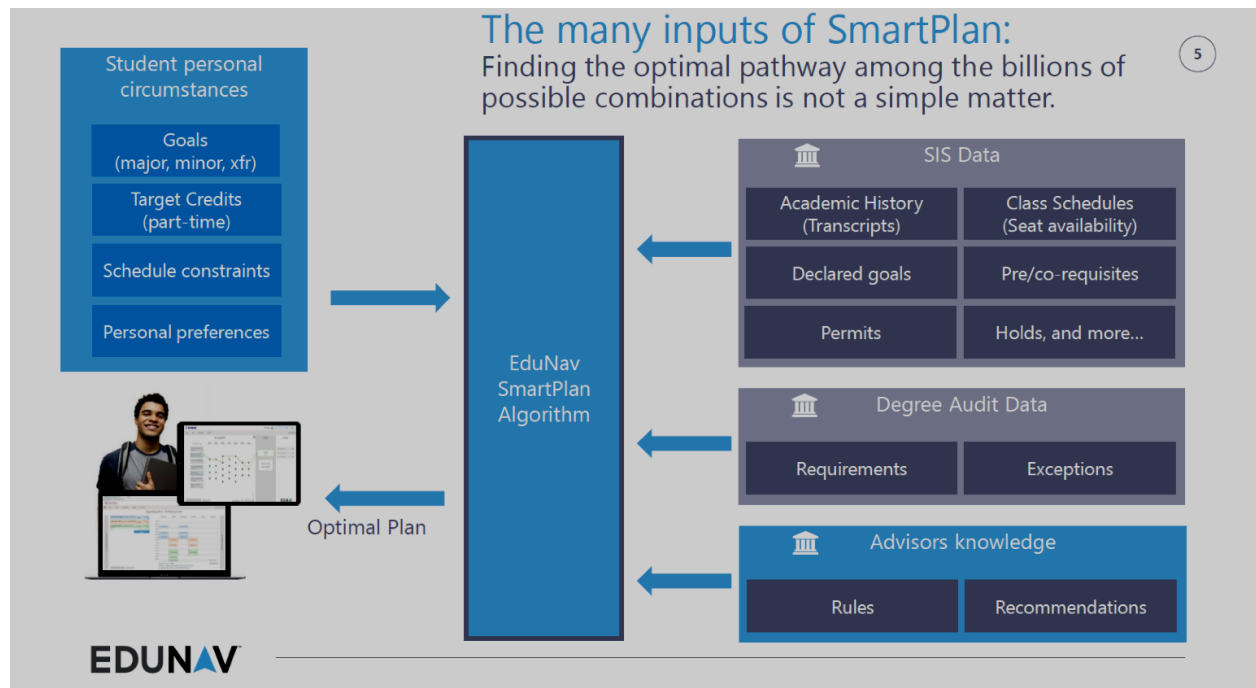
Next Meeting: Tuesday, November 14, 2017 3:30-5:00 pm HUB 119

Under consideration: EduNav software (see <https://www.edunav.com/>)

EduNav is “an Educational GPS.” It offers software that will help students create personalized, real-time degree plans. It sits on top of DegreeWorks (which is in reality an auditing tool) and Banner and will calculate the smartest path, routing and re-routing in real time according to institutional requirements, changes in course availability, personal constraints, and other factors. It will provide warnings to students who decide not to take a crucial course (See below). Students can then make well-informed choices.



We are looking at two of their modules: “SmartPlan” which will generate a personalized, always up-to-date, optimal pathway to completion,” and “Registration” which will present the best available schedule that leads to on-time graduation. A third module under consideration is called “Optimize” (a different one from above) which will provide us with forward planning abilities.



This summer, about 50 people on campus have seen demonstrations/presentations on EduNav and been impressed. See page 4.

Adjust Preferences
Set your target credits,
add a summer semester
and preferred instructors

Register
Adjust your weekly schedule
and register for classes

Goals
Health Science (BS)
Health Administration
Click to add more goals!

Completed Semesters

Future

Spring 2016

Spring 2017

Fall 2017

Spring 2018

Goals

Careers

Disclaimer Send feedback **DECLARED** **EDUNAV**

Timing: would need to start getting ready about 6-8 months before full implementation.

EduNav unifies the student experience

36

Career advising

Adding Goals:

Major	Profession
Minor	Interest Area

Select a career or change a goal type

Acute Care Nurses	\$66,220
Administrative Services Managers	\$90,190
Advanced Practice Psychiatric Nurses	\$66,220
Aerospace Engineers	\$105,450

Academic history

Generated

Spring 2013	Fall 2013
<p>PSY 101 Experimental Psychology Understanding Human</p> <p>PHIL 101 Intro Philosophy</p>	<p>WATH 115 College Algebra</p> <p>NUHS 104 Intro Professional NURS</p> <p>HIST 201 HISTORICAL STUDIES</p> <p>BIO 231L Vitality Anatomy Lab</p>

Personalized educational plan

Spring 2018
Credit hours: 11/12

AHS 491 3 CR
Health Sciences Internship

Goals
Health Sciences (BS)
Health Administration

Click to add

Class schedule

9 AM	AHS 220
10 AM	AHS 341
11 AM	THTR 174
12 PM	

Financial advising

Estimated cost remaining:

Tuition and fees: \$73,927

Room and board: \$24,190

Books and supplies: \$4,885

Personal expenses: \$0

Transportation: \$7,437

Total: \$110,439

Total # of required credit hours: 138

Time to completion: 2.5 Years

Online catalog

AHS 220: Public Health Concepts

Available in Spring 2016
Prerequisite: none

Public Health Concepts

States: Fall (88) / BS

Preferred semester: non-reference

Sections: 11976, 13133, 14123

Prerequisite: none

Satisfies requirements: Public Health Concepts

Course information: An introduction to the health issues and needs in various types of communities and public health settings, and to the concepts of effective health promotion, program planning, and evaluation.

Credit hours: 3

Spring 2016

Add to Spring 2016

Requirements progress

Requirements Audit:

Health Sciences (BS)
Overall date: 2/8/1 | Major date: 3/30

51 still needed

22 still needed

Planned completion in Fall 2018

3 of 6 requirements complete (50.00%)

3 still needed

Foundational Studies

14 of 15 requirements complete (93.33%)

2 still needed

Health Sciences Major

4 of 21 requirements complete (19.05%)

17 still needed



Pros:

1. EduNav could mean advisors will spend less time dealing with the ins and outs of scheduling (less transactional) and more time spent on helping students plan their future (more transformative).
2. Helps pull together retention, advising, and career services goals.
3. Proactive alerts for implications of student choices. Provides a personalized, optimal path to completion – creating real time best schedules that work with students’ lives and warning of time/costs. Proactive alerts for students increases the efficiency of their plans. For example, by taking just “1or 2 credit hours above max for this term will save a full semester. “
4. GPS for degrees. The main function that we seek from EduNav is the GPS function for students - real time best schedules that works with their lives and warnings of time/costs - and possibly future course planning. Registration occurs within EduNav.
5. Automatically recalculates the when any circumstance changes ensuring all students always have an accurate and up-to-date optimal pathway to completion/graduation.
6. IT implementation – quick. Fully managed by EduNav after we provide access. Registrar – more involved since curriculum and audits are closely tied to EduNav.
7. EduNav Optimize provides projected scheduling information based on students plans.
8. Changes are done in real time (no 15 minute or overnight updates needed)
9. Integrates with our degree audit software (DegreeWorks) and works with Banner.
10. Personalized pathways will satisfy all degree requirements based on that student’s academic history, placements, exceptions, permits, constraints and preferences.
11. Provides Purpose First exposure to general information on potential career outcomes.
12. Helps with future scheduling (forecasting of courses, sections, and programs).
13. If implemented fully, costs could be outweighed by retention gains.
14. Good PR as well.
15. Endorsed by Complete College America.

Cons:

1. Software fatigue (Among some faculty and staff. Note that this is a student-facing software. Students will need to get used to whatever PSU is using while they are a student).
2. Incomplete occupational connections between fields of study (e.g. a minor in psychology leading to a career as a mental health counselor). Would prefer to see state/regional data on occupational outlooks/salaries. EduNav also supports regional and local career datasets – but it may require professional services to configure. Our current Career Services “office” doesn’t have the bandwidth to do this.
3. Costs
4. Potential implementation snafus in customization. None of the university’s we contacted have had problems in implementation or use, except where they have discovered curriculum issues. There is, of course, always a possibility.
5. Some fear it replicates or works out-of-synch with EAB’s Student Success Collaborative. (EAB SSC’s primary focus is on providing tools for advisors and not the student. EduNav use will be complementary. Student Success Collaborative doesn’t do any automatic pathways.)

Technology Innovation Project Proposal Outline

Your Name: David Ferrer **Email address:** daferrer@plymouth.edu

Project Name: Movement Technique Education

Purpose and description of the project

Provide a purpose statement and a description of the activities and outcomes of the project

Purpose:

Students taking the Principles and Theories of Strength and Conditioning require enhanced technological feedback to better learn lifting techniques. We will deploy iPads to teach proper Olympic lifting techniques, proper plyometric landing, sprinting, and agility techniques.

Outcomes:

- Students will learn new technology to better enhance their skills as practitioners.
- Students will provide laboratory reports on their exercise movement technique and utilize critical thinking skills to solve movement impairments.
- Students will be able to visually see their exercise technique in slow motion high definition, which provides valuable external feedback.

Project Impact

Describe the impact of the project and how it will be reported including how students will be affected. Describe how the project is innovative and how it advances practice in the University.

Impact

Students have not had access to these tools in previous sections of this course. This will be the first class to utilize iPads as part of their learning experience in Strength and Conditioning. iPads are currently being utilized in many top level training facilities (universities and private companies).

Project Reporting

At the conclusion of the semester, students will be able to give feedback on how the use of technology impacted their learning experience. With this feedback, instructors will be able to make adjustments to better utilize the technology and create a presentation for the committee to demonstrate how the technology was implemented.

Innovation

Students will use this technology as part of their learning experience to provide feedback and be able to visually breakdown different training movements. Students will learn new educational “apps” to better analyze human movement. For instance, the duration of an Olympic lift is about 1 second and movement will occur in roughly 6 or more joints, making it difficult for novice Exercise and Sport Physiology students to assess proper technique. The new technology in iPads will allow for slow motion analysis. We can also utilize available applications from the “App” store to better track bar velocity and joint movement.

Shared Learning

Indicate a commitment to share project results with the University and describe how this will be accomplished. Describe what you will report and how it will be shared.

There will be shared learning with Athletic Training majors, Allied Health Science majors, Athletics, and Physical Education and Health Education teacher certification majors taking the Principles and Theories of Strength and Conditioning. Further, this technology can be utilized for athlete testing in our Research Methods course (EX 4840).

Project Support

Describe how technical support for the project will be provided. Is this provided by the project itself? By the ITS Helpdesk? By the CETL team? What technical support will be required to make the project successful?

Technical Support:

- The ITS Helpdesk at Plymouth State University will purchase and assist in setting up the iPads.
- Following the initial setup, the ITS Helpdesk will be utilized when software updates are needed or software issues arise.

Budget

Provide a detailed budget of proposed expenditures including estimated costs for technology and related costs for implementation. Describe how on-going costs and upgrades will be managed after the initial implementation.

Vendor	Quantity	Description	Unit Price	Total
Best Buy	4	iPad Pro 9.7" Display (32GB)	\$539.99	\$2159.96
Amazon	4	OtterBox Defender Series Case for iPad Pro (Black)	\$39.97	\$159.88
Amazon	4	Portable iPad Tablet Tripod Adjustable Stand, Costech Universal 360°Rotatable Height Adjustable with Portable Carry Bag for 7-10 Inch iPad/iPad Mini/Samsung Galaxy Tab and Tablet (Black)	\$29.99	\$119.96
			Total Budget	\$2439.80

**APPENDIX A – BYLAWS OF THE
PLYMOUTH STATE UNIVERSITY FACULTY
(with revisions through 5-8-2013)**

**Article XI
Committees**

2. Academic Technology and Online Education Committee

b. Function

The Academic Technology and Online Education Committee:

- Considers faculty technology needs, requirements, recommendations, and priorities.
- Considers students' perspectives regarding their technology needs and recommendations.
- Designs and implements processes to ensure fair representation, visibility, and consideration of faculty technology needs when technology priorities and investment decisions are made on campus.
- Influences university strategic planning related to academic technology both in the classroom and online.
- Communicates regularly with key stakeholders to assist with activities that support academic technology adoption and integration.
- Works collaboratively with stakeholders to assess technology used in the academic environment and pedagogy related to online instruction.
- Uses assessment information to inform future academic technology investments.
- Recommends policies for faculty approval related to online education and technology driven changes to pedagogy.
- Advocates for adequate professional development resources for faculty related to use and assessment of technology for teaching and learning, both on campus and through external development opportunities.