

# HACC iTunes U – Learning Anytime Anywhere

**HACC**  
LEARNING ANYTIME ANYWHERE  
Virtually YOURS.

**All Courses** Featured ▾

- A-Plus Anatomy: The Life of a Cell Robert Swatski
- English Essentials: The Life of a Cell Alfred Siha
- Pre Algebra Susan Cooper-N...
- Calculus II (V2) Susan Cooper-N...
- English Essentials: The Life of a Cell Alfred Siha
- Major English Writers II Rick Albright
- Calculus I (V2) Susan Cooper-N...
- Intro to Microsoft Office 2013 Jennifer Orlando
- Principles of Accounting I Jennifer Reb
- Maternal Newborn Health Sharon Franko

**What's New** Featured ▾

- A-Plus Anatomy: The Life of a Cell Robert Swatski
- English Essentials: The Life of a Cell Alfred Siha
- Pre Algebra Susan Cooper-N...
- Calculus II (V2) Susan Cooper-N...
- English Essentials: The Life of a Cell Alfred Siha
- Major English Writers II Rick Albright
- Calculus I (V2) Susan Cooper-N...
- Intro to Microsoft Office 2013 Jennifer Orlando
- Principles of Accounting I Jennifer Reb
- Maternal Newborn Health Sharon Franko

**Top Content** Featured ▾

- English Essentials: The Life of a Cell Alfred Siha
- A-Plus Anatomy: The Life of a Cell Robert Swatski
- English Essentials: The Life of a Cell Alfred Siha
- English Essentials: The Life of a Cell Alfred Siha
- Principles of Accounting I Jennifer Reb
- Beginning Algebra Susan Cooper-N...
- College Algebra V2 Susan Cooper-N...
- Introduction to Statistics Susan Cooper-N...
- Intro to Microsoft Office 2013 Jennifer Orlando
- College Algebra Oyin Pauline Ch...

iTunes U Courses

**HACC**  
LEARNING ANYTIME ANYWHERE  
Virtually YOURS.

**Podcasts** ▾ Library Unplayed Store

**Podcasts** - Harrisburg Area Community College

**What's New** Featured ▾

- PHIL 225: Ethics: Belief and Action
- PHIL 200: Comparative Religion
- HST 282 AD: History of Religion in...
- Astronomy Photo of the Day - 2017
- MATH 010: Pre Algebra
- Astronomy Photo of the Day - 2016
- PHSC 113: Introduction to...
- SOC 282: The Sociology of UFDs...
- MATH 122- Calculus II - sc

**Academic Collections** Featured ▾

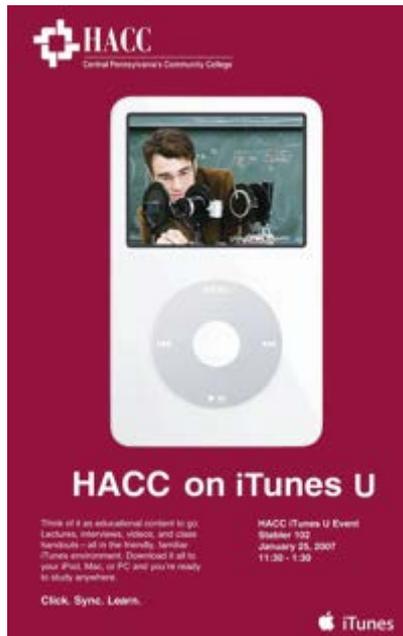
- HACC Calculus I  $\frac{d}{dx}(x^2 \sin \pi x)$
- HACC Calculus II  $\int x^3 \sin \pi x dx$
- MATH 111: Principles of Mathematics - 9C
- CIS 209: Fundamentals of...
- HUM 100: Introduction to...
- HIST 104: United States History II
- PSYC 216: Human Sexuality (DSM-IV...
- Historical Astronomy
- Biol 121: Anatomy & Physiology I

**Public Resources** Featured ▾

- iTunes U Training
- Microsoft Office PowerPoint 2007
- D2L Workshops
- D2L Tutorials
- HACC Honors Lecture Series
- York Campus CITE - Professional...

Podcast Collections

# History – HACC iTunes U



1/2007



1/2012

**Mobile Learning Project**

10/2013

**iOS Classes**



8/2015 and  
Going On

# Learning Anytime, Anywhere

## iTunes U Courses



## Podcast Collections

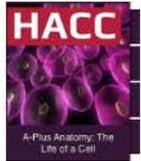


# 28 iTunes U Courses

iTunes U > Harrisburg Area Community College

All Courses

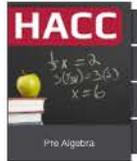
Featured ▾



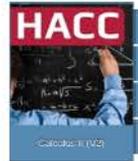
A-Plus Anatomy:  
The Life of a Cell  
Harrisburg Area ...



English  
Essentials:...  
Harrisburg Area ...



Pre Algebra  
Harrisburg Area ...



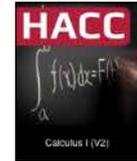
Calculus II (V2)  
Harrisburg Area ...



English  
Essentials:...  
Harrisburg Area ...



Major English  
Writers II  
Harrisburg Area ...



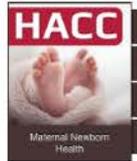
Calculus I (V2)  
Harrisburg Area ...



Intro to Microsoft  
Office 2013  
Harrisburg Area ...



Principles of  
Accounting I  
Harrisburg Area ...



Maternal  
Newborn Health  
Harrisburg Area ...



Writing Boot  
Camp  
Harrisburg Area ...



Intermediate  
Algebra V2  
Harrisburg Area ...



Calculus III  
Harrisburg Area ...



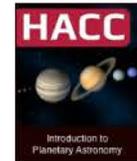
English  
Essentials:...  
Harrisburg Area ...



Calculus I  
Harrisburg Area ...



Calculus II  
Harrisburg Area ...



Introduction to  
Planetary...  
Harrisburg Area ...



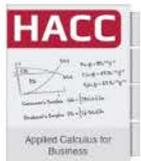
Beginning  
Algebra  
Harrisburg Area ...



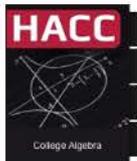
College Algebra  
v3  
Harrisburg Area ...



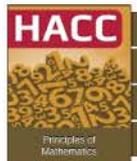
College Algebra  
V2  
Harrisburg Area ...



Applied Calculus  
for Business  
Harrisburg Area ...



College Algebra  
Harrisburg Area ...



Principles of  
Mathematics  
Harrisburg Area ...



Trigonometry  
Harrisburg Area ...



Introduction to  
Statistics  
Harrisburg Area ...



Intermediate  
Algebra  
Harrisburg Area ...



Introduction to  
Stellar...  
Harrisburg Area ...



Differential  
Equations  
Harrisburg Area ...

# 76 Academic iTunes U Collections

Academic Collections

Featured

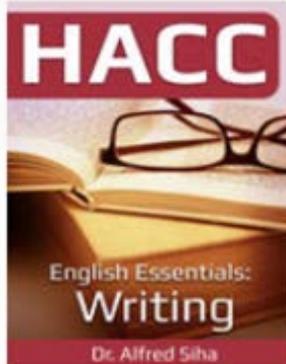
<b>HACC</b> Calculus I $\frac{d}{dx}(x^2 \sin x)$ MATH 121: Calculus I -pc Pauline Chow	<b>HACC</b> Calculus II $\int x^2 \sin \pi x dx$ MATH 122: Calculus II Pauline Chow	<b>HACC</b> Principles of Mathematics + 1C Susan Cooper-Nguyen	<b>HACC</b> Fundamentals of... Bob Crowl	<b>HACC</b> Introduction to... Bob Crowl	<b>HACC</b> United States History II Dr. Richard Weiss	<b>HACC</b> Human Sexuality (DSM-IV)... David R. Bailey	<b>HACC</b> Historical Astronomy Robert Wagner	<b>HACC</b> Anatomy & Physiology I Bob Crowl	<b>HACC</b> Elementary Spanish Ada Scharf
<b>HACC</b> Microbiology BIOL 221: Microbiology - 4b Dr. Earl Beyer	<b>HACC</b> English Composition ENGL 101: English Composition Anne Kellner	<b>HACC</b> ESL ENGL 026: English as a Second... Anne Kellner	<b>HACC</b> English Writers ENGL 202: Major English Writers II Dr. Rick Abright	<b>HACC</b> Abnormal Psychology PSYC 213: Abnormal Psychology (DSM-... David R. Bailey	<b>HACC</b> World History HIST 101: World History I Dr. Richard Weiss	<b>HACC</b> Differential Equations MATH 222: Differential... Pauline Chow	<b>HACC</b> Statistics MATH 202: Introduction to... Susan Cooper-Nguyen	<b>HACC</b> Introduction to Statistics MATH 202: Introduction to... Susan Cooper-Nguyen	<b>HACC</b> College Algebra MATH 103: Blended: College Algebra Pauline Chow
<b>HACC</b> Trigonometry - 1b... Janet Rosenberry	<b>HACC</b> Principles of Mathematics MATH 104: Principles of Mathematics + 1B Linda Stockhammer	<b>HACC</b> Beginning Algebra MATH 020: Beginning Algebra... Linda Stockhammer	<b>HACC</b> Intermediate Algebra MATH 051: Intermediate Algeb... Susan Cooper-Nguyen	<b>HACC</b> Beginning Algebra MATH 020: Beginning Algebra... Susan Cooper-Nguyen	<b>HACC</b> Planetary Astronomy ASTR 103: Introduction to... Robert Wagner	<b>HACC</b> Stellar Astronomy ASTR 104: Introduction to... Robert Wagner	<b>HACC</b> Intermediate Algebra MATH 051: Intermediate Algeb... Linda Stockhammer	<b>HACC</b> World Literature ENGL 205: World Literature I Dr. Rick Abright	<b>HACC</b> American Writers ENGL 204: Major American Writers II Valerie Gray
<b>HACC</b> Intermediate Algebra MATH 051: Intermediate Algeb... Janet Rosenberry	<b>HACC</b> ESL ENGL 029: English as a Second... Pauline Chow	<b>HACC</b> Applied Calculus for Business MATH 110: Applied Calculus for... Pauline Chow	<b>HACC</b> Human Biology BIOL 111: Human Biology Ruth Hagley	<b>HACC</b> Reading ENGL 101-003: Reading Strategies Stephanie McCune	<b>HACC</b> Business Writing ENGL 106: Written Business... Valerie Gray	<b>HACC</b> College Algebra - pc MATH 103: College Algebra - pc Pauline Chow	<b>HACC</b> Applied Calculus for Business MATH 110: Applied Calculus for... Pauline Chow	<b>HACC</b> Intermediate Algebra MATH 051: Intermediate Algeb... Pauline Chow	<b>HACC</b> College Algebra - iPad Video MATH 103: College Algebra - iPad Video Janet Rosenberry
<b>HACC</b> Intermediate Algebra MATH 051: Intermediate Algebra Pauline Chow	<b>HACC</b> Microbiology BIOL 221: Microbiology - 4b Dr. Earl Beyer	<b>HACC</b> Parasitology MLT 230: Parasitology &... Ruth Hagley	<b>HACC</b> Principles of Microbiology ECON 202: Immunology / Microbiology of... Armanda Kohn	<b>HACC</b> Basic Microbiology BIOL 100: Basic Microbiology Ruth Hagley	<b>HACC</b> Illness AN 100: Introduction to Human Illness an... Jan Slieman	<b>HACC</b> Psychology PSYC 101: General Psychology (DSM... David R. Bailey	<b>HACC</b> Microbiology BIOL 221: Microbiology - 4b Ruth Hagley	<b>HACC</b> Microbiology BIOL 221: Microbiology - 4b Ruth Hagley	<b>HACC</b> Psychology PSYC 213: Abnormal Psychology - 4b David R. Bailey
<b>HACC</b> Agribusiness BIOL 150: Introduction to... Alan Wenger	<b>HACC</b> Stellar Astronomy ASTR 104: Introduction to... Robert Wagner	<b>HACC</b> Life Cycle PSYC 209: Life Cycle Development (DSM... David R. Bailey	<b>HACC</b> College Algebra - 1c MATH 103: College Algebra - 1c Susan Cooper-Nguyen	<b>HACC</b> Applied Calculus for Business MATH 110: Applied Calculus for... Pauline Chow	<b>HACC</b> Planetary Astronomy ASTR 103: Introduction to... Robert Wagner	<b>HACC</b> Astronomy Photo of the Day - 2014 Astronomy Photo of the Day - 2014 Robert Wagner	<b>HACC</b> History of the United States I HIST 103: History of the United States I Dr. Richard Weiss	<b>HACC</b> World History II HIST 102: World History II Dr. Richard Weiss	<b>HACC</b> Calculus II MATH 221: Calculus II Pauline Chow
<b>HACC</b> Neurobiology Dr. Earl Beyer	<b>HACC</b> Trigonometry MATH 104: Trigonometry Linda Stockhammer	<b>HACC</b> Principles of... CHEM 100: Principles of... Dr. Christine Spang	<b>HACC</b> Calculus I - 1c MATH 121: Calculus I - 1c Susan Cooper-Nguyen	<b>HACC</b> Astronomy Photo of the Day - 2011 Astronomy Photo of the Day - 2011 Robert Wagner	<b>HACC</b> Astronomy Photo of the Day - 2012 Astronomy Photo of the Day - 2012 Robert Wagner	<b>HACC</b> Astronomy Photo of the Day - 2014 Astronomy Photo of the Day - 2014 Robert Wagner	<b>HACC</b> Calculus II - 1c MATH 122: Calculus II - 1c Susan Cooper-Nguyen	<b>HACC</b> Astronomy Photo of the Day - 2016 Astronomy Photo of the Day - 2016 Robert Wagner	<b>HACC</b> The Sociology of UFD... SOC 282: The Sociology of UFD... Janet Rosenberry
<b>HACC</b> Introduction to... PHSC 113: Introduction to... Robert Wagner	<b>HACC</b> Astronomy Photo of the Day - 2016 Astronomy Photo of the Day - 2016 Robert Wagner	<b>HACC</b> Pre Algebra MATH 010: Pre Algebra Susan Cooper-Nguyen	<b>HACC</b> Astronomy Photo of the Day - 2017 Astronomy Photo of the Day - 2017 Robert Wagner	<b>HACC</b> History of Religion in... HIST 282 AD: History of Religion in... Dr. Richard Weiss	<b>HACC</b> Comparative Religion PHL 200: Comparative Religion Dr. David Brunsch				

# All HACC's MATH Courses in iTunes U

The screenshot displays the iTunes U interface for Mathematics. The top navigation bar includes "My iTunes U", "New", and "iTunes Store". The main heading is "Mathematics" with a "Featured" dropdown menu. The content is organized into a grid of 30 course covers, each featuring the HACC logo and course details.

Course Title	Instructor
Principles of Mathematics	Linda Buckwalter
Differential Equations	Pauline Chow
College Algebra	Pam Watkins
Introduction to Statistics	Jason Rosenberry
Beginning Algebra	Linda Buckwalter
Intermediate Algebra	Linda Buckwalter
Applied Calculus for Business	Pauline Chow
Trigonometry	Jason Rosenberry
Intermediate Algebra	Pam (Watkins) Capwell
Intermediate Algebra	Pauline Chow
Applied Calculus for Business	Pam Watkins
Intermediate Algebra	Jason Rosenberry
College Algebra - pc	Pauline Chow
College Algebra - iPod Video	Jason Rosenberry
HACC Calculus II	Pauline Chow
HACC	Susan Cooper-Nguyen
HACC Calculus I	Pauline Chow
HACC	Susan Cooper-Nguyen
Statistics	Susan Cooper-Nguyen
Applied Calculus for Business	Susan Cooper-Nguyen
HACC	Susan Cooper-Nguyen
HACC	Pauline Chow
College Algebra - sc	Susan Cooper-Nguyen
Beginning Algebra	Susan Cooper-Nguyen
Intermediate Algebra	Susan Cooper-Nguyen
HACC Calculus III	Harrisburg Area ...
HACC Beginning Algebra	Harrisburg Area ...
HACC Intermediate Algebra V2	Harrisburg Area ...
HACC Calculus II (V2)	Harrisburg Area ...
HACC Calculus I (V2)	Harrisburg Area ...
HACC Introduction to Statistics	Harrisburg Area ...
HACC Trigonometry	Harrisburg Area ...
HACC College Algebra v3	Harrisburg Area ...
HACC Principles of Mathematics	Harrisburg Area ...
HACC Applied Calculus for Business	Harrisburg Area ...
HACC College Algebra V2	Harrisburg Area ...
HACC College Algebra	Harrisburg Area ...
HACC Calculus I	Harrisburg Area ...

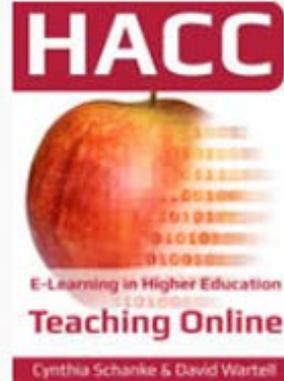
# Published HACC iBooks Textbooks



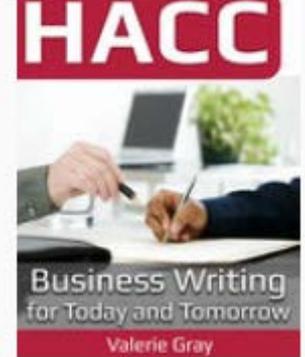
English Essentials:  
Writing



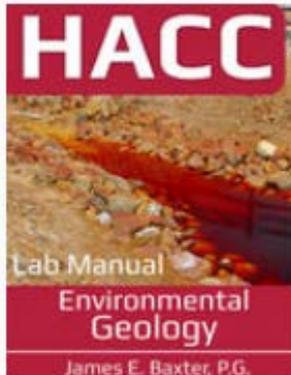
Communicating  
Effectively with Older



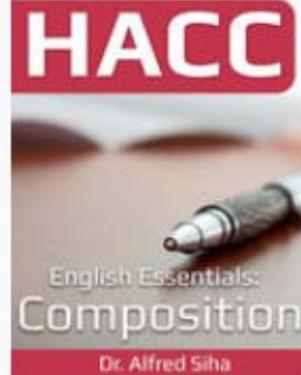
Teaching Online



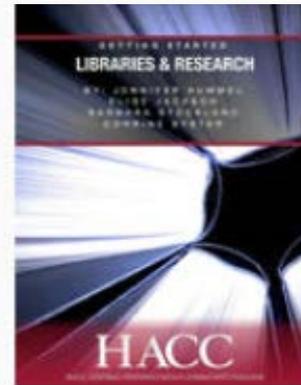
Business Writing for  
Today and Tomorrow



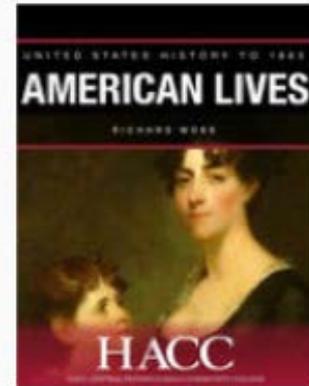
Environmental  
Geology Lab Manual



English Essentials:  
Composition



Libraries & Research:  
Getting Started



American Lives:  
United States History

Argentina

Cyprus

Ireland

Peru

Australia

Czech Republic

Italy

Poland

Austria

Denmark

Japan

Portugal

Belgium

Dominican Republic

Latvia

Romania

Brazil

Guatemala

Luxembourg

Slovakia

Bulgaria

Finland

Malta

Spain

Canada

France

Mexico

Sweden

Chile

Germany

Netherlands

Switzerland

Colombia

Greece

New Zealand

United Kingdom

<sup>8</sup> Costa Rica

Guatemala

Norway

United States

Hungary

Panama

Venezuela

# HACC's iBooks Textbooks Sold in 43 Countries

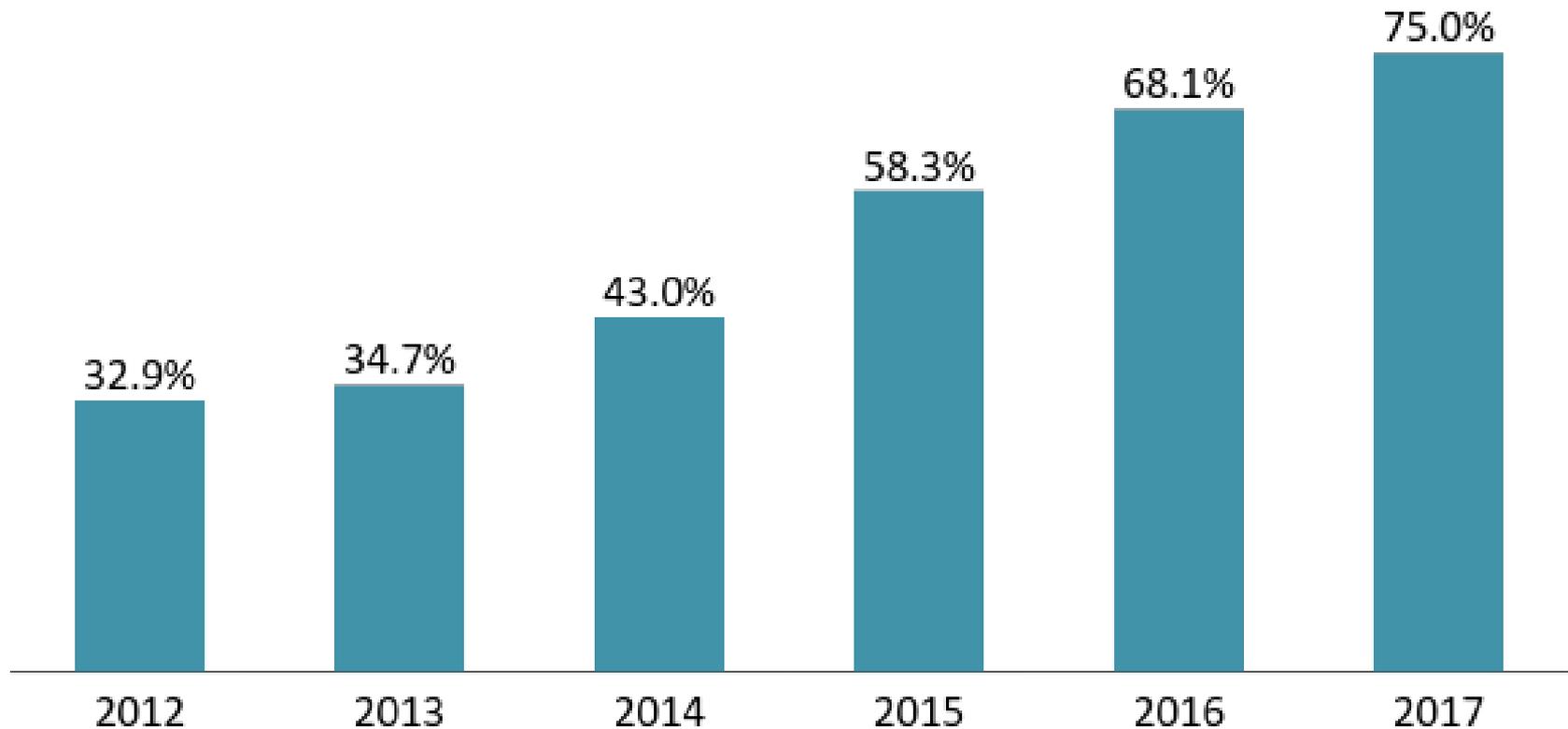
# Mobility – Access Anywhere Anytime

Visitors by Device  
Jan 01, 2017 – Oct 14, 2017



# iPhone Use Up Every Year

## – Accessing HACCC iTunes U



# Outstanding HACCC iTunes U Professors

# 20 Apple Leading University Instructors – 2013

2 from HACC:  
**Pam Watkins**  
 &  
**Pauline Chow**

# Leading University Instructors

What makes these educators among the best on iTunes U? By creating innovative, groundbreaking approaches to their subjects, they inspire students of all ages to learn something new.



His Stanford courses teach mobile programming in a real-world environment, focusing on programming iOS apps.



The Ohio State professor and veteran journalist explores the legal precedents and ethical dilemmas of her field.



The Yale economics professor delves into the ideas and institutions that manage risks and foster enterprise.



The Penn State professor's introductory course covers art movements, cultural influences, and artistic genres.



This Harvard professor believes statistical thinking can be applied to almost anything in beautiful, useful ways.



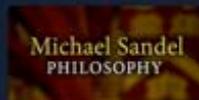
A senior lecturer at Harvard, he explores the intellectual enterprises of computer science and the art of programming.



From apps to videos, his comprehensive Duke course includes a range of materials that bring chemistry to life.



His multidisciplinary UC Irvine course considers how people relate to their social and physical environments.



The popular Harvard professor tackles critical thinking about morality by considering equality, democracy, and more.



His Missouri State course helps students understand the effects of financial decisions on individuals and society.



The Ohio State professor examines questions like "How did it begin?" and "Are we alone in the universe?"



His Yale course digs into issues that arise when we reflect on mortality, evaluating different attitudes about death.



In his Ohio State course, "Dr. Fun" focuses on making the core concepts of general chemistry accessible and clear.



Her La Trobe University class examines the Mesoera, mythology, art, architecture.



The Harvard professor surveys how interpretation of the Torah and Hebrew.



An associate professor at Biomed, he teaches a course that explores island narratives in literature, film, and TV.



The Caltech professor's introductory machine learning course covers basic theory, algorithms, and applications.



Using video, text, and apps, the HACC professor's course is designed for



The HACC professor covers the fundamental algebraic operators, systems

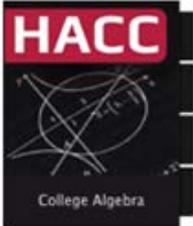
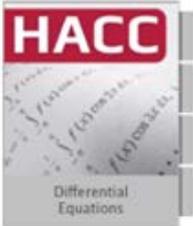
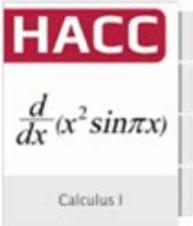
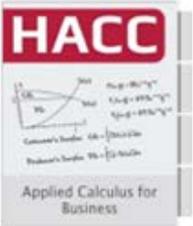
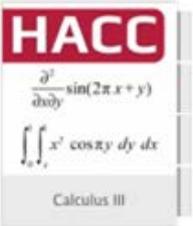


This eminent University of Oklahoma scholar explores American freedom from the Revolutionary War to the present day.

# Prof. Pauline Chow

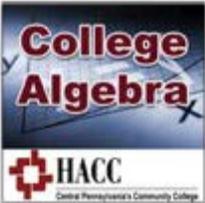
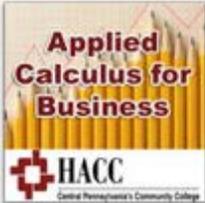
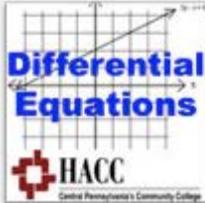
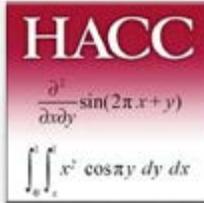
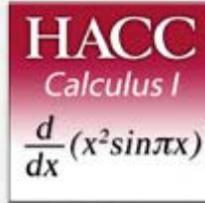
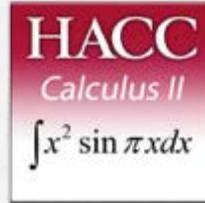


## Courses

					
College Algebra Harrisburg Area ...	Differential Equations	Calculus I Harrisburg Area ...	Calculus II Harrisburg Area ...	Applied Calculus for Business	Calculus III Harrisburg Area ...

## Collections

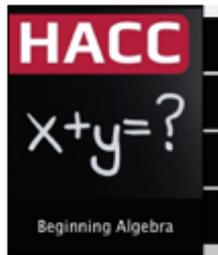
See All 1

						
MATH 103: College Algebra - pc Pauline Chow	MATH 110: Applied Calculus for Busines... Pauline Chow	MATH 222: Differential Equations Pauline Chow	MATH 221: Calculus III Pauline Chow	MATH 121: Calculus I Pauline Chow	MATH 122: Calculus II Pauline Chow	MATH 051: Intermediate Algebr... Pauline Chow

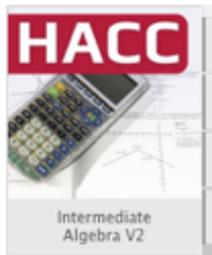
# Prof. Susan Cooper-Nguyen



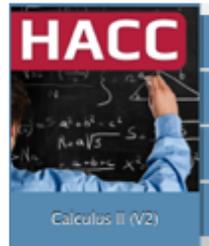
## Courses



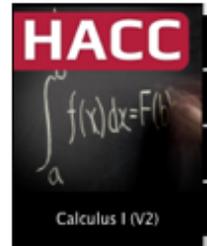
Beginning Algebra  
Harrisburg Area ...



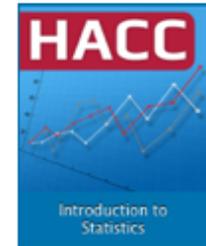
Intermediate Algebra V2  
Harrisburg Area ...



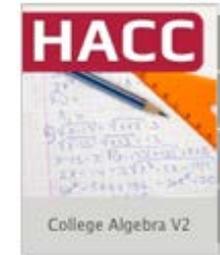
Calculus II (V2)  
Harrisburg Area ...



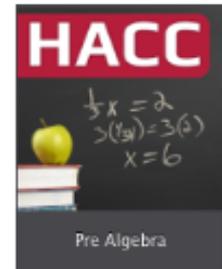
Calculus I (V2)  
Harrisburg Area ...



Introduction to Statistics  
Harrisburg Area ...



College Algebra V2  
Harrisburg Area ...

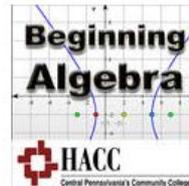


Pre Algebra  
Susan Cooper-N...

## Collections



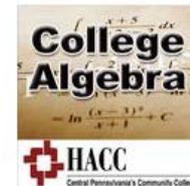
MATH 010: Pre Algebra  
Susan Cooper-Nguyen



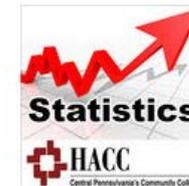
MATH 020: Beginning Algebra ...  
Susan Cooper-Nguyen



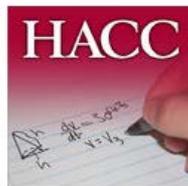
MATH 051: Intermediate Algeb...  
Susan Cooper-Nguyen



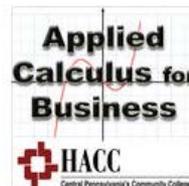
MATH 103: College Algebra - sc  
Susan Cooper-Nguyen



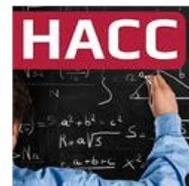
MATH 202: Introduction to...  
Susan Cooper-Nguyen



MATH 121: Calculus I - sc  
Susan Cooper-Nguyen



MATH 110: Applied Calculus for...  
Susan Cooper-Nguyen



MATH 122- Calculus II - sc  
Susan Cooper-Nguyen



MATH 104: Trigonometry  
Susan Cooper-Nguyen

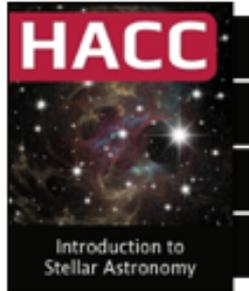


MATH 111; Principles of...  
Susan Cooper-Nguyen

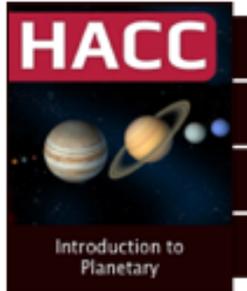
# Prof. Robert Wagner



## Courses

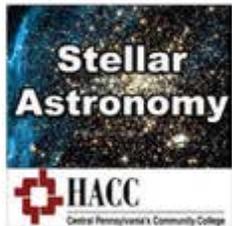


Introduction to Stellar...



Introduction to Planetary...

## Collections



ASTR 104:  
Introduction to...  
Robert Wagner



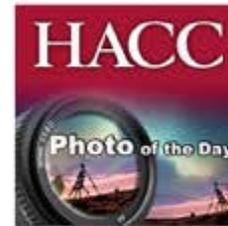
ASTR 103:  
Introduction to...  
Robert Wagner



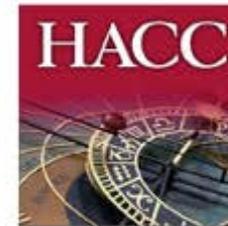
ASTR 103:  
Introduction to...  
Robert Wagner



ASTR 104:  
Introduction to...  
Robert Wagner



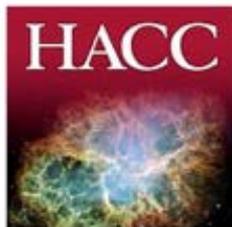
Astronomy Photo of  
the Day - 2014  
Robert Wagner



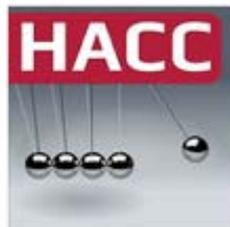
Historical Astronomy  
Robert Wagner



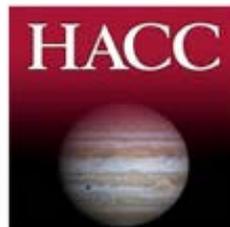
Astronomy Photo of  
the Day - 2016  
Robert Wagner



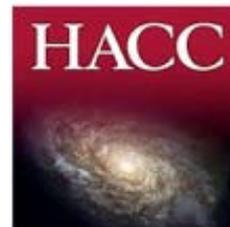
Astronomy Photo of  
the Day - 2015  
Robert Wagner



PHSC 113:  
Introduction to...  
Robert Wagner



Astronomy Photo of  
the Day - 2012  
Robert Wagner



Astronomy Photo of  
the Day - 2011  
Robert Wagner



Astronomy Photo of  
the Day - 2013  
Robert Wagner

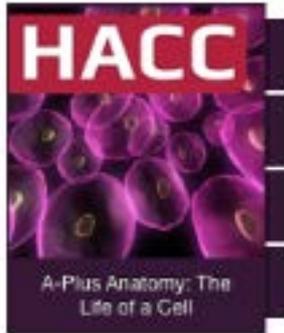


Astronomy Photo of  
the Day - 2017

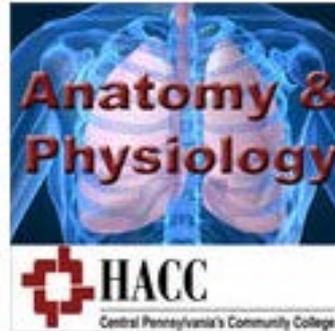
# Prof. Rob Swatski



## Standout Courses for iOS



A-Plus Anatomy:  
The Life of a Cell  
Harrisburg Area ...



BIOL 121: Anatomy &  
Physiology I



**Apple Teacher**  
2016



**Distinguished Educator**  
2017



# BEST OF 2016

iTunes U is the world's largest online catalog of free learning resources from great institutions. We've selected our favorite iTunes U courses of 2016, covering subjects ranging from English grammar to personal finance. We've also picked the best collections in science, mathematics, liberal arts, and teaching and learning.

General Courses Featured ▾



Dr. Alfred Siha

 Distinguished Educator 2015

17  Worldwide Distinguished Educator 2016

# BEST OF 2015

iTunes U is the world's largest online catalog of free learning resources from great institutions. We've selected our favorite iTunes U courses of 2015, covering subjects ranging from English grammar to personal finance. We've also picked the best collection of science, mathematics, arts, and teaching and learning.

## General Courses Featured



English Essentials: Grammar Harrisburg Area C...	Energy 101 CSIS Center for S...	Design Thinking: Model Rocket... Autodesk Education	Introduction to Global... South Wales	Introduction to Environmental... The Ohio State U...	iOS Development in Swift Plymouth University	Smart Women Smart Power CSIS Center for S...	Intro to Ed Tech Apple Distinguish...	Behavioural Economics King's College	Hunting for Life in the Universe P20E UC Irvine	Classroom Assessment Arkansas

## K-12 Courses Featured

App Development: Teaching Swift Apple Education	WILDLIFE CONSERVATIO... Field of Mars Env...	Making Makerspaces Surrey School Dis...	Cambridge IGCSE Biology: Human... The Stephen Pers...	Lessons for Earth Day E.O. Wilson Biodi...	Challenge Based Learning Kolbe Catholic C...	Physics String Theory Sch...	HS: Literacy with GarageBand Albuquerque Publ...	Personal Finance for High School Pennsylvania Lea...	Inside Out - Emotions Autism Spectrum ...	Years 5-8: Anzacs 100 years Keilor Views Prim...

## Science Collections Featured

Darwin College Lecture Series 2015... Cambridge University	Brain Channel (Video) UCTV	Chemistry for the Future: Clean Energy Oxford University	Science Talk Albert Einstein Colleg...	Genetics (Video) UCTV	Human Language Technology Lecture... MIT Computer Scienc...	Engineering Dynamics J. Kim Vandiver, David...	Motion, Force and Energy Tutorials Simon Lees	Investigating Sustainability Toolkit	Global Health Oxford University

## Mathematics Collections Featured



Poker Theory and Analysis Kevin Desmond	The Beauty of Mathematics Aspen Ideas Festival ...	Turing Gateway to Mathematics Cambridge University	The Secrets of Mathematics Oxford University	Fractions for all Shelley Cross	Random Geometry Cambridge University	Highlights of Calculus - Videos Prof. Gilbert Strang	MATH 010: Pre Algebra Susan Cooper-Nguyen	Probabilistic Systems Analysis and Appie... John Tsitsiklis	Using R for Statistical Analysis Dr Lyndon Walker

# BEST OF 2016

iTunes U is the world's largest online catalog of free learning resources from great institutions. We've selected our favorite iTunes U courses of 2016, covering subjects ranging from English grammar to personal finance. We've also picked the best collections in science, mathematics, liberal arts, and teaching and learning.

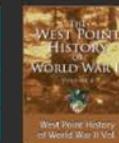
## General Courses Featured ▾



 Developing iOS 9 Apps with Swift Stanford	 Basics of Computer Programming with C++ University of South Wales	 From Planets to the Cosmos The Ohio State University	 English Essentials: Composition Harrisburg Area Community College	 Researching and Evaluating iPad Apps University of Hull	 This is CS50 2015 Harvard University	 Supporting Higher Education (LA) Apple Distinguished	 South Korea as a Global Power CSIS Center for Strategic Studies	 Design Thinking: Chocolate Mold Autodesk Education
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## K-12 Courses Featured ▾



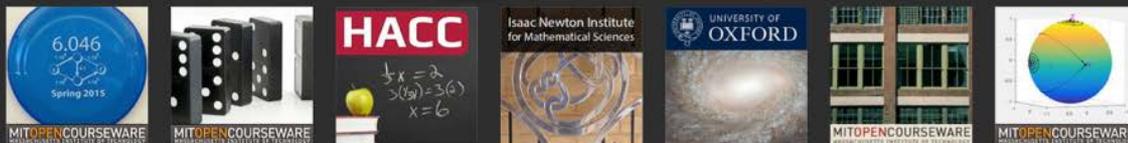
 Swift Playgrounds: Learn to Code 1&2 Apple Education	 Make It Move Without Wheels LEGO Education	 Mass Extinctions: Lessons from the Past Howard Hughes Institute	 Fall in Love with Real-Life Math Apple Distinguished	 Year 4: Forces - Australian Kellor Views Primary	 Have Sum Fun Kolbe Catholic College	 Creative Writing with Emojis Albuquerque Public Schools	 Music Theory String Theory Sc... Apple Distinguished	 Bringing History to Life Apple Distinguished	 West Point History of World War II Vol. I United States Military Academy
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## Science Collections Featured ▾



 STEAM Channel (Video) UCTV	 Microbiome (Video) UCTV	 Brain Channel (Video) UCTV	 SCIENCE TALK Stanford University	 Genetics (Video) UCTV	 Human Language Technology Lectures MIT Computer Science and Artificial Intelligence Laboratory	 Global Health Oxford University	 Psychiatry Oxford University	 The Experience of Immersion Conference mediaX
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## Mathematics Collections Featured ▾



 Design and Analysis of Algorithms (2015) Erik Demaine, Srinivas Aravamudan	 Mathematics for Computer Science Albert R. Meyer	 MATH 010: Pre Algebra Susan Cooper-Nguyen	 Turing Gateway to Mathematics Cambridge University	 The Secrets of Mathematics Oxford University	 Linear Algebra Prof. Gilbert Strang	 Learn Differential Equations: Up Close Gilbert Strang, Cleve Moler
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# Part of iTunes U / iBooks Textbooks Instructors

# 7 Courses have 100,000+ Subscribers

#	Content Title	Contributor	Browse	Subscribe	Download	Stream
1	English Essentials: Writing	Dr. Alfred Siha	1,020,568	230,857	560,033	278,710
2	Intermediate Algebra	Pam Capwell (Watkins)	831,499	189,095	601,131	6,298
3	Introduction to Statistics	Susan Cooper-Nguyen	705,915	166,604	378,389	114,572
4	Principles of Mathematics	Linda Buckwalter	725,172	147,530	550,521	411
5	College Algebra	Pauline Chow	489,854	107,260	471,756	92,496
6	Trigonometry	Jason Rosenberry	425,153	107,220	244,320	14,692
7	English Essentials: Composition	Dr. Alfred Siha	641,319	101,403	178,343	146,263

# 100,000+ Downloads in 19 Collections

#	Content Title	Contributor	Browse	Subscribe	Download	Stream	Enclosure
1	ENGL 026: English as a Second Language	Anne Kelliher	307,923	43,331	<a href="#">1,190,584</a>	239,048	234,889
2	PSYC 213: Abnormal Psychology - db	David Bailey	219,111	49,743	<a href="#">467,369</a>	162,554	88,383
3	MATH 222: Differential Equations	Pauline Chow	27,641	7,558	<a href="#">437,124</a>	64,336	71,077
4	BIOL 121: Anatomy & Physiology I	Rob Swatski	139,918	28,560	<a href="#">428,056</a>	136,670	97,720
5	ENGL 101: English Composition	Nicole Bailey	214,835	40,865	<a href="#">405,875</a>	83,805	136,131
6	MATH 202: Introduction to Statistics - sc	Susan Cooper-Nguyen	55,711	7,837	<a href="#">379,515</a>	148,595	143,525
7	MATH 051-Blended: Intermediate Algebra	Pam Capwell (Watkins)	29,950	5,622	<a href="#">339,665</a>	276,588	63,094
8	MATH 111: Principles of Mathematics	Linda Buckwalter	34,800	4,521	<a href="#">336,674</a>	90,215	60,165
9	ASTR 104: Introduction to Stellar Astronomy - Complete	Robert Wagner	64,921	13,209	<a href="#">272,842</a>	57,864	84,048
10	MATH 103: College Algebra - pc	Pauline Chow	87,005	13,713	<a href="#">268,277</a>	28,609	141,984
11	ENGL 106: Written Business Communication	Valerie Gray	110,348	28,666	<a href="#">260,842</a>	66,771	19,626
12	MATH 104: Trigonometry - iPod Video	Jason Rosenberry	58,117	10,466	<a href="#">236,403</a>	150,357	39,548
13	MATH 020: Beginning Algebra - sc	Susan Cooper-Nguyen	93,867	20,072	<a href="#">225,871</a>	68,014	40,125
14	ASTR 103: Introduction to Planetary Astronomy - Complete	Robert Wagner	57,753	11,125	<a href="#">205,657</a>	28,018	57,534
15	SPAN 101: Elementary Spanish	Judy Dibert	178,980	22,654	<a href="#">197,556</a>	75,410	71,945
16	HIST 101: World History I	Dr. Richard Moss	128,573	14,159	<a href="#">186,082</a>	68,916	23,035
17	MATH 110: Applied Calculus for Business - pc	Pauline Chow	31,715	7,149	<a href="#">119,535</a>	21,032	114,553
18	MATH 202: Introduction to Statistics - iPod Video	Jason Rosenberry	59,845	9,426	<a href="#">114,194</a>	67,726	12,137
19	ENGL 029: English as a Second Language	Dr. Susan Bangs	69,100	9,288	<a href="#">101,311</a>	31,566	17,001

# iTunes U Available in 155 Countries



HACC's iTunes U Content is used by people in 100+ countries EVERYDAY.

# HACC iTunes U Used Worldwide

Usage Type	Frequency
Visitors	6,265,479
Downloads	13,299,400
Streams	3,761,662
Subscriptions	2,104,009



# Average *Monthly* HACC iTunes U Usage

Usage Type	Frequency
Streams	53,738
Downloads	189,991
Visitors	89,507
Subscriptions	30,057

# Top Countries Using HACCC iTunes U

#	Country	2012	2013	2014	2015	2016
1	<b>USA</b>	<b>43.80</b>	<b>45.70</b>	<b>36.10</b>	<b>36.90</b>	<b>33.60</b>
2	China	4.95	8.13	20.50	19.60	19.80
3	Japan	2.32	1.88	2.69	2.56	3.94
4	UK	5.97	5.08	4.31	3.83	3.41
5	Canada	4.23	3.99	3.52	3.11	3.08
6	Germany	3.27	2.32	2.15	2.03	2.32
7	Australia	2.51	2.48	2.23	2.36	2.26
8	Korea, Republic Of	2.17	1.95	2.39	2.89	2.23
9	India			1.47	1.78	2.20
10	Italy	2.39	1.70	1.64	1.50	2.18
11	France	2.27	1.76	1.73	1.74	2.16
12	Russia	2.28	2.52	2.18	1.79	1.78
13	Spain	2.03	1.47	1.48	1.24	1.59
14	Brazil		1.51		1.32	1.50
15	Mexico	1.75	1.87	1.55		
16	Netherlands	1.39				
17	All Other countries	18.70	17.60	16.00	17.30	18.00

# Three Surveys about iOS Device Required Classes

Conducted with HACC IR office

	Spring 2017	Fall 2016	Spring 2016
# of iOS classes	7	5	7
Enrollments	94	77	89
Respondents	55	42	45
Response Rate	59%	55%	51%

iOS classes require each student to have an iPad and/or iPhone.

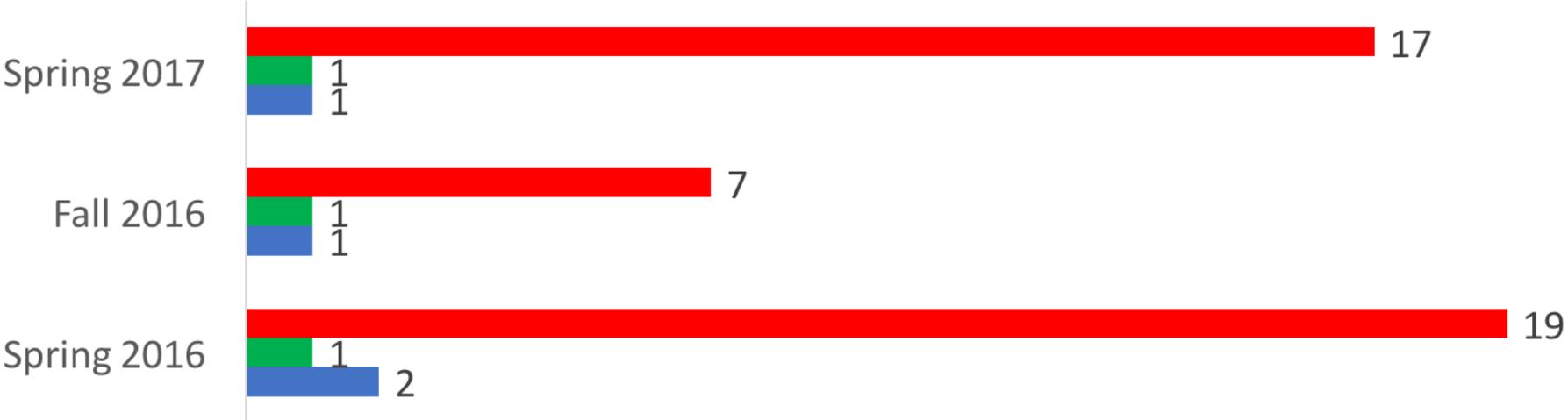
## Do you think iOS device is an effective learning tool?

■ Yes ■ No ■ Not Sure



If you purchased your iOS device specifically for this class, do you think it is worth it?

Yes No Not Sure



# My iOS device gives me **easy access to class materials**

	Strongly Agree	Agree	Neither Agree nor Disagree	Disagree	Strongly Disagree	Total
Spring 2017	37	17	1	0	0	55
	67%	31%	2%	0%	0%	100%

Fall 2016	31	9	2	0	0	42
	74%	21%	5%	0%	0%	100%

Spring 2016	25	16	3	0	1	45
	56%	36%	7%	0%	2%	100%

The iOS class allows me to **spend more time** on learning than a non-iOS class.

	Strongly Agree	Agree	Neither Agree nor Disagree	Disagree	Strongly Disagree	Total
Spring 2017	14	10	25	4	2	55
	26%	18%	45%	7%	4%	100%

Fall 2016	12	15	9	5	1	42
	29%	36%	21%	120%	2%	100%

Spring 2016	14	19	6	5	1	45
	31%	32%	13%	11%	2%	100%

# I can complete the required assignments on my iOS device.

	Strongly Agree	Agree	Neither Agree nor Disagree	Disagree	Strongly Disagree	Total
Spring 2017	37	12	5	1	0	55
	67%	22%	9%	2%	0%	100%
Fall 2016	29	9	2	1	1	42
	69%	21%	5%	2%	2%	100%
Spring 2016	21	21	2	1	0	45
	47%	47%	4%	2%	0%	100%

Which one of the following best describes your **overall experience in this iOS device** required class *compared to a non-iOS device class*?

Spring 2017

Answer	Response	%
Much Better	16	29%
Better	19	35%
No difference from a non-iOS device class	17	31%
Worse	3	5%
Much Worse	0	0%

Fall 2016

Response	%
16	38%
14	33%
8	19%
3	7%
1	2%

Spring 2016

Response	%
13	29%
23	51%
3	7%
4	9%
2	4%

Selected Emails  
from HACC Students  
and  
from Subscribers Worldwide  
to HACC iTunes U Course Instructors

2017

From HACCC Students

**“With iOS class, I plan around my family.”**

“With regular class on Monday, Wednesday and Friday, I have to plan around class schedule. **With iOS class, I plan around my family.**

The entire course is in my iPad.”

# “I don’t know how I would learn math at HACC without you!”

Thank you, thank you, THANK YOU for all the courses you have put on iTunesU !!!! I don’t know how I would learn math at HACC without you! Each summer for the past three years I am taking a math class, mostly to learn so that I can better help the students in math classes as I substitute teach, but also to keep up with Act 48 continuing professional ed credits. Because of my math phobia and the shortened course length, I find these courses a huge challenge. You are such a good teacher, giving so many great mnemonic and visual aids, that help me both to understand and remember. And I can watch your presentations multiple times to help the info stick!!!! I am so incredibly grateful for your help! Thank you for doing Trigonometry; I don’t remember seeing it last year, and it’s my salvation right now!!!

Have a GREAT day!

A HACC student’s email to Prof. Susan Cooper-Nguyen

# “you renewed my faith in myself and my ability to get an education”

## **Subject:** Thank You

It has only been about three weeks since I made the decision to go to college. From the minute I officially applied, I was filled with sheer panic. What have I done? I haven't been in school for a long time now! When I took my first practice accuplacer test, I sat in front of a question asking me to divide fractions and just bawled. I didn't remember anything.

But then I stumbled across your podcasts in iTunes U. In one of the earlier podcasts, you said something along the lines of, "I know you know this, I'm just trying to bring it to the front burner so to speak." I somehow knew from that very moment that I had found the proper help I needed. So I watched, furiously scribbling notes, until I found my pot sitting on the front burner. Since then, I've been able to add even more to that pot.

I can't even describe how disappointed I was when I discovered you worked at the Lancaster campus rather than the Lebanon campus I'm headed to. **I just needed you to know that your videos, your teaching style, your personality, saved me.** I can breeze through the arithmetic and elementary algebra sections of the accuplacer, and I've been working on the college level math section lately. But more importantly, **you renewed my faith in myself and my ability to get an education.**

-- A HACC Lebanon Campus student emailed to Prof. Susan Cooper who teaches at Lancaster Campus

# HACC Students' Comments to Prof. Siha

"I wish there were **more classes** like this."

"This course **helps me understand** [another English class] 20 times more than if I didn't have this course."

"I am always on my iPad or iPhone, so having my homework on the device [...] makes me **more motivated** to do it."

"I am **a lot more likely** to want to do the assignment and get it done when I need when all I have to do is hop on my iPad."

"The professor has made the book **easier to comprehend**, compared to other published textbooks."

"I really wish all of my teachers had programs like this. It is **a great way to learn.**"

# HACC Students' Comments to Prof. Siha - 2

“It helps my learning by making me **hands-on.**”

“Outside of the class, I have used the course notes and book **to better understand** what other teachers are requesting of me.”

“I just flipped out my phone and referred to the textbook on my iPhone.  
**It is that simple.**”

“The iBooks Textbook matches beautifully with the iTunes U course because **you only need one item in class.**”

“It gives us less books to carry as well as having it **right in our hands.**”

“It gives me **easy access** to the information.”

# “It just makes everything more accessible”

“It's great that HACCC is working to implement more iOS classes. They're much more accessible than traditional online classes, and I think that makes a world of difference for some students. This is actually my third time taking anatomy and physiology. I couldn't access the info mentally before. Taking this iOS class has enabled me to learn things that I couldn't really grasp because now we have this tool that is something we use everyday. And whether you're on the road or at home you can easily pull out your iPhone and access the notes, lectures, ask the professor questions, turn in your homework. It just makes everything more accessible.”

Kaylee

“way better than the book itself”

The video podcasts are way better than the book itself. I can either listen or watch the videos with the visuals. I may have only opened the book 2 or 3 times.

Megan

“I love watching and rewatching the videos”

I really like the iTunes U and it helps me a lot. I love watching and rewatching the videos because it helps me clarify anything I may have found confusing or missed during class.

From Anonymous HACC Student 1

# “I wish everyone did this!”

I would recommend using the iPad and iTunes in all courses. Prof. Swatski is great in his teaching and making sure we understand the information. Great class, I wish everyone did this!

From Anonymous HACCC Students 2

“the addition of iTunes U features is very beneficial”

The iTunes U videos are very nice and is an extra study and informational tool that I used for both lecture and lab. I would definitely recommend this course. The class uses more technology and the addition of iTunes U features is very beneficial.

From Anonymous HACC Students 3

From Non-HACC Students

“I am quite certain I would not have passed Statistics without your videos.”

Dear Professor Cooper,

I wanted to extend a heartfelt thank you for your Intro to Statistics itunes class. This past spring, I had to take the class as part of a requirement for my masters in music therapy program at another school. I am a good student, took College algebra previously, and had Calculus in high school, but despite my math background, I struggled terribly in statistics. I worried that I would fail the class and have to retake it, or worse yet, simply couldn't pass it and would be unable to continue in my program. Unfortunately, the professor teaching my class was not terribly helpful or concise in her teaching style; I was desperately seeking outside sources and came across your itunes class.

It made all the difference in the world! I still had to work very, very hard and studied 20 to 30 hours a week, but I managed to earn a B+. Your videos were extremely helpful and I enjoyed your teaching style. Your breakdown of each concept made the course much more palatable and got me through every week. I am quite certain I would not have passed Statistics without your videos. Thank you for taking the time to put such an extensive amount of material together.

# “You are helping people to reach for the stars – literally”

Hi, Professor!

I just wanted to tell you how much I love your online HACC math courses. Your explanations are very clear and understandable. So far, everything I have looked at has been a much-needed review as I occasionally help my son, Little Mark, with his high school math. I plan to introduce him directly to your vids today.

...

I can't tell you how important is the work that you and others do when posting free courseware online. **You are helping people to reach for the stars - literally**: Mark dreams of inventing an astrodynamics propulsion system whereby spacecraft will push against the fabric of space-time to accelerate in space.

God bless you!

Mark

A HS Student Parent's Email

# “I passed my exemption exam with a 89!”

**Subject:** itunes student

I passed my exemption exam with a 89! You get ALL the credit! If there is some boss you need me to email and brag about you - just let me know.

Thanks,  
julie latta

**Subject:** itunes stude

i have been watching your podcasts for the last three weeks trying to prepare for an exemption exam next week. i know you say it almost every episode, "Hope this helps!," but i want you to know **it does help immensely**. you are really great at what you do!

however, i do have a request. is there anyway to add a five minute podcast that does the birthday probability problem without the use of whatever the program it was you used for your explanation of the birthday problem. i will be able to use a calculator on the exam, but what i really need to see is how you set it up to be able to do similar problems.

just thought i'd ask. i realize you are probably busy this time of year.

thanks,  
julie

– A Non-HACC student passed her exemption exam with the help of Prof. Susan Cooper’s iTunes U course

# A UK student found Dr. Siha's Course via Apple Siri

Hi dr Siha,

I asked Siri for reflective writing and eventually led me to your iTunes writing services. Prior to this, I have unfortunately not heard of you. However after glancing at the topics and seeing a video I am convinced you can help me.

I am a nursing student in the U.K. And have had to repeat a year due to failing one essay on reflection. I am finding it difficult at the moment as I'm getting conflicting feedback on my draft essay. I have worked hard for the last three and half years and I can't let myself or family down.

I can see the light but it seems difficult to reach.

I cannot give up and I am trying this moment to work at it but feel drained.

Please can you help me?

Sincerely,

Mrs Shigufta Hussain

# From Mexico

Hi, my name is Georgina, I'm from México City. Thanks a lot to focus your attention in this type of academyc study platform.

I'm really interest to learn how i have to write and talk properly. Unfortunately in my country teach english lenguaje to children is not a priority, (for anyone, but not for me) because of that, I didn't learn properly english. I did study in a bilingual school, and I learned english as a baby... (Listened all time) but I have serious problems in grammar as you can see in this paragraph. The english schools are very expensive and I can't pay, so when I sow this course, excites me, because I saw an opportunity to learn and practice this incredible lenguaje... Really, thanks! 😊

# “You are like God”

“Hi my online professor my name is Mustafa Ali I'm from Afghanistan my father (was) killed by terrorist and after that I can't go to school and thank you for help us like me like poor people that don't have money for school and collage but they can educate for free because of you and other. **I love you for us you are like god .”**

From Afghanistan to Prof. Pauline Chow

# “It helps so many students”

Hi Dr. Swatski- I am a Chemistry teacher in Las Vegas and will be teaching a class on Anatomy & Physiology next year. It has been a long time since I have taught BIOL and plan on using your iTunes Biology presentation to help make my lessons and to show the class. Your videos are excellent!

Thanks for sharing what you do. It helps so many students.

Dr. K. D.

“a life saver”

Professor Swatski,

Thank you, thank you, thank you so much, for all of your helpful resources. I have really found your iTunes U collection to be such a life saver. I appreciate all that you do for this College and for the students. Thank you again!

Catherine V.

“really helped me tremendously”

Hello Mr. Swatski,  
I want to first thank you for your time in putting up your tutorials. It has allowed me to gain a further understanding in biology and A&P. I'm currently taking an A&P I (one) course. Well, thx a lot again for these online courses, i'm a student at a community college in Lexington, Ky. and this has really helped me tremendously, you have a great way to teaching and getting thru to the student.  
Thx a lot,  
Derek

# “an invaluable resource for learning”

Dear Professor Swatski,  
I can't express enough my gratitude to you for the numerous VDOs and picture booklets you offer for Anatomy & Physiology on iTunes U. They are an invaluable resource for learning, preparation and revision of the difficult and detailed information regarding the processes and workings of our body. Especially for the mnemonics and humor infused within the VDOS, which make studying them again and again such a pleasure like no other subject. Your passion for the subject that you teach as well as your careful explanations and enunciation of the more complicated terminology exudes from each lesson and goads the student into perfecting his/her understanding of the various content. Thank you so very much! Would you also be producing VDOs for the other half of the book please? It would be a truly wonderful treasure trove of resources for students worldwide!  
Wishing you a great Halloween weekend,  
Tracy C.  
(Trinity Western University student)

# “EXTREMELY helpful!”

I know this extremely random but I am a pre-nursing student at Florida International Student and I have an Anatomy lab exam on Friday where I have to label the muscles.

I was browsing online for pictures of models similar to mine in class which will be used in the exam, and I found a quizlet link that you made and it led me to your iTunes account, which I am now watching the videos where you explain muscle insertion, origins and actions, and finding it EXTREMELY helpful! Thank you so much!

Thank you again, I am so relieved to have found your videos.  
Jazmin A.

**Thank YOU**