

Textbook Alternatives Project (TAP) Estimated Savings							
2013-2015 TOTAL				\$1,460,315			
<i>The amount saved per student is estimated by faculty members when submitting their proposals.</i>							
<b>SPRING 2013</b>							
First Name	Last Name	Department	Description	Course (Number and Title)	Number of Students Affected (Annually)	Amount Saved per Student by Replacing Textbook	Potential Savings to Students per Academic Year
Brian	Belet	Music	The current textbook for MUSC 1A costs \$136 new and there are seldom used copies because many pages of the text encourage student writing. For many topics, the textbook's coverage is too detailed, obscuring important concepts. Brian plans to create a custom course pack using AcademicPub that concisely outlines key concepts and will also work to develop an audio resource either online or available as a CD.	Music 1A (and 2A) Music Systems	320	\$80	\$25,600
Christian	Jochim	Humanities	Rather than requiring three textbooks at a cost of \$160 as he has previously done, Chris will use a combination of free library resources and a custom AcademicPub course pack for his Eastern Religions class.	ASIA/HUM/RELS 70B Eastern Religions	120	\$58	\$6,960
Kathryn	Kahn	Television-Radio-Film-Theater (TRFT)	Theatre Arts requires students to write and produce their own scripts, and also write support materials, including publicity, funding and advertising pieces. However, there is no existing textbook specifically dealing with writing for performing arts majors. Kathryn will use chapters of traditional writing books available as ebooks in the library in addition to originally created material to create an online resource for students.	TA 100W Writing Workshop: Theatre Arts	200	\$12	\$2,400
Stacey	Knapp	English	ENGL 100A is required for students who have failed the Writing Skills Test at least twice, and more than 300 students take the class each semester. Stacey is creating a digital reader to serve as a core textbook. This will be supplemented by an AcademicPub course pack to replace the class's required non-fiction book.	ENGL 100A Writing Competency	680	\$16	\$10,880

Mary	Poffenroth	Biology	The Living World is a General Education course with an annual enrollment of 400 students. Mary is going to replace the two current textbooks with an interactive web program, Mastering Biology, and an online course pack from Academic Pub	Biology 10 The Living World	400	\$62	\$24,800
Donald	Reed	Geology	More than 250 students take GEOL 112 each year. The current text costs \$66 (used) to \$158 (new). Donald will be replacing it with an open online textbook he has created with learning activity worksheets, peer-reviewed instructional materials and articles available from federally funded sources.	GEOL 112 Hazards, Risks of Earthquakes and Volcanoes	280	\$66	\$18,480
Kevin	Roe	Health Science	HS 159B: Health Promotion Program Planning and Evaluation currently uses a \$49 textbook. Kevin will replace this with an online course reader. HS 159B: Health Promotion Program Planning and Evaluation currently uses a \$49 textbook. Kevin will replace this with an online course reader.	HS 159B Health Promotion Program Planning and Evaluation	250	\$9	\$2,250
Wendy	Rouse	Social Science	SOCS 137 California in Historical and Social Scientific Perspectives and SOCS 138 United States in Historical and Social Science Perspectives are required courses for students in the Social Science Teacher Education Program. Wendy will be creating ebooks that incorporate primary sources, worksheets, instructional strategies and lesson plans that are modeled in the classroom.	SOCS 137 California in Historical and Social Scientific Perspectives; SOCS 138 United States in Historical and Social Science Perspectives	400	\$50	\$20,000
Frank	Strona	Health Science	More than 200 students take HS 158 each year. Currently two textbooks are being used with a combined cost to the students of \$76.00. Frank will be incorporating weekly reading, academic journal articles, blog content and traditional media content into a custom online course reader to replace the textbooks.	HS 158 Health Communication & Technology	200	\$70	\$14,000
Chris	Tseng	Computer Science	The textbook for CS 156 retails for \$134. Chris will be replacing it by modifying existing MOOCs and open courseware to meet the needs of the class.	CS 156 Introduction to Artificial Intelligence	45	\$160	\$7,200
Chris	Tseng	Computer Science	CS 160 is a required course for Computer Science majors and has an enrollment of 200+ a year. The current textbook costs \$128. Chris will be replacing it with an open online textbook.	CS 160 Software Engineering	480	\$150	\$72,000

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Helen	Brubeck	Accounting	These two accounting courses can enroll up to 400 students a year. Dr. Brubeck has created an e-textbook titled "Discovering Accounting" which will be priced at \$55, replacing a \$255 traditional textbook for a savings of \$200 per student. The e-textbook is available through most browsers and will be made iPad-compatible for the next academic year.	BUS1 20: Introduction to Financial Accounting & BUS120N: Survey of Accounting	400	\$200	\$80,000
Rachael	French	Biological Sciences	Cell and molecular biology is a rapidly changing field and the slow publishing cycle of traditional textbooks means they are outdated often before they are printed. By developing a course reader using AcademicPub, Dr. French will provide her students with up-to-date material and save them an average of \$100 each.	BIOL 145: Advanced Eukaryotic Cell Biology	100	\$100	\$10,000
Debra	Hansen	SLIS	LIBR 200 is a required course for all incoming SLIS graduate students. Available textbooks emphasize library positions, short changing the many other careers available to information professionals. To address this gap, Prof. Hansen and Prof. Stephens will create a common set of lectures and required readings using open source material. Because the readings are free, students will save \$75 in textbook costs.	LIBR 200 Information and Society	375	\$75	\$28,125
Kimb	Massey	TRFT	RTVF 110 is a popular General Education course that covers a rapidly changing field. To stay current, Dr. Massey will create a course reader using key works in the discipline, current articles and workbook assignments. Students will save on average \$100 each.	RTVF 110: Electronic Media and Culture	675	estimate at \$45	\$30,375
Cassandra	Paul	Physics	Up to 500 students a year enroll in PHYS 2A, spending an average of \$164 on classroom materials for the course. To lower costs, Dr. Paul is collaborating with Dr. Potter (emeritus faculty at UC Davis) to adapt his "College Physics" textbook to match the course structure of PHYS 2A. The specially adapted textbook will cost students only \$30.	Physics 2A: Foundations of Physics	250	\$134	\$33,500

Slobodan	Simic	Mathematics	The current textbook for MATH 133A costs students \$146. Dr. Simić plans to replace this text with an open source textbook that is freely available online. He will supplement the open textbook with problem sets from other open sources, such as the Mathematical Association of America and Edfinity.	Math 133A: Ordinary Differential Equations	1200	\$495	\$594,000

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Sulekha	Anand	Medical Product Development Management	SMPD 286 is a required course for students in the MPDM program. Designed for non-statisticians, the course focuses on experimental design and statistical concepts. The textbooks traditionally required for this course did not address the unique needs of the students, and Dr. Anand will be replacing them with a free custom digital course pack, saving students \$200 each.	SMPD 286: Statistical Methods in Clinical Trials	19	\$200	\$3,800
Jeffrey	Benson	Music and Dance	MUSC 147A is designed to teach basic choral and instrumental conducting techniques. The current textbook for this course lacks musical examples suited to student needs. Dr. Benson will be replacing the text with a course pack including musical examples to his students online. Students will save \$100 each.	MUSC 147A: Beginning Conducting	60	\$100	\$6,000
Beverly	Grindstaff	Art and Art History	A popular General Education course that provides a chronological introduction to design, ARTH 72 is not adequately served by a single textbook. As a substitute to the current text, Dr. Grindstaff will assemble materials from leading design journals, design museums, and other sources and make them freely available to her students saving them \$150 each.	ARTH 72: Design and Society	280	\$150	\$42,000
Thomas	Shirley	Organization and Management	A capstone course, BUS3 189 teaches students to manage organizations strategically. Students currently use a textbook costing \$182. This will be replaced with a combination of a custom AcademicPub course pack, lecture presentations, and academic and professional journal articles, offering students a collective potential savings of more than \$60,000.	BUS3 189: Strategic Management	560	\$122	\$68,320

Peggy	Stevenson	Justice Studies	JS 103 students study the structure and functions of the court system. Because the legal field changes constantly, textbooks are updated frequently, meaning used copies are not an option for students. To replace the current \$80 textbook, Dr. Stevenson is developing open educational resources on how courts operate. These resources will be freely available to students online and offered at a low cost for those who prefer print. Collectively, students will potentially save more than \$2,000.	JS 103: Courts and Society	70	\$40	\$2,800
Megan	Thiele	Sociology and Interdisciplinary Social Sciences	An analysis of how people interact with their environment from both a macro and micro perspective, SOCI 120 requires a textbook and reader that together cost students \$120. In place of these books, Dr. Thiele will be using assigned readings that will be available to students through the campus learning management system. This approach costs the students nothing and also provides them with more diverse readings. The students collectively have the potential to save over \$5,000.	SOCI 120: Environmental Sociology	35	\$150	\$5,250

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Gong	Chen	Kinesiology	In response to his students' concerns about the rising cost of textbooks, Prof. Chen is developing an e-reader that will include table tennis instruction--serving, receiving, rallying--as well as graphics and video clips demonstrating proper technique. The e-reader will be made available for free through the Canvas learning management system. This textbook alternative offers students a collective potential savings of \$6,300 annually.	KIN 27A/B: Beginning/Intermediate Table Tennis	720	\$23	\$16,560
Magdalini	Eirinaki	Computer Engineering	A popular course with 2-3 sections each semester, CMPE 239 currently requires two textbooks with a combined cost of over \$100. Prof. Eirinaki will replace these books with freely available online resources, such as scientific papers and articles, and will offer tutorials as supplementary material. The issues addressed in this course are continuously evolving and new research gets published every year. In addition to saving students money, this approach will ensure they are given the most up-to-date information available. The materials will be shared with the students via Canvas, bringing the total cost of textbooks for this class to \$0. Students will collectively save between \$7,200 and \$10,800 each academic year.	CMPE 239: Web and Data Mining	180	\$100	\$18,000

Rui	Liu	Economics	The current textbook used for ECON 1A costs \$151 new and \$88 used. Also required is access to the Sapling Learning site at \$40, so the total cost for course materials can reach as high as \$190 per student. To address these issues, Prof. Liu plans to reduce the textbook cost to zero by the Fall 2015 semester by replacing the current textbook with an online textbook freely available from College Open Textbooks and supplement it with pre-recorded video lectures, blog contents, online news articles, and podcasts. These will be made available via Canvas and be on topics that address key macroeconomic topics. Also, Sapling Learning will be replaced with problem sets from other open sources, such as Saylor Academy and The Economics Network. The free online materials combined will realize a savings of up to \$190 per student, offering a collective savings of more than \$38,000 a year.	ECON 1A: Principles of Macroeconomics	176	\$190	\$33,440
Kurt	McMullin	Civil and Environmental Engineering	CE 164 has used the same textbook for approximately 30 years; its current list price is \$110. The textbook has not kept up with changes in the construction field or with the new interest in sustainability and a recently released edition eliminates the students' ability to buy used versions. Also, many of the resource documents students need for this course are made available free of charge online by product manufacturers. Prof. McMullin will develop a complete catalog of these online resources—such as engineering data sheets, example problems and explanatory materials—and make it available to students, reducing their textbook costs to zero. Cumulative annual savings for students are estimated to be \$7,700.	CE 164: Design of Timber Structures	70	\$110	\$7,700
Mike	Splane	Management Information Systems	Standard textbooks on how to use advanced features in Microsoft Office range in price from \$135 to \$170. Prof. Splane plans to author an Office 2013 textbook and make it freely available online. Students will save about \$150 each. Also, because this book would be used by multiple sections of the course over multiple semesters, cumulative savings could be in the range of \$250,000 over the lifetime of the book.	BUS4 91L: Business Productivity Tools	1200	\$135	\$162,000

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Christie	Koontz	School of Information	Rather than use an increasingly dated textbook, Dr. Koontz created a new textbook for the class, reducing the cost to students by 80%.	INFO 282/283 Marketing Library and Information Services	75	\$200	\$15,000
Arvinder	Loomba	School of Global Innovation & Leadership	Medical Product Development Management is a rapidly changing field. By replacing an out-of-date textbook with an online case study reader, students are provided up-to-date material at a significantly reduced cost.	BUS 284C Managing Medical Product Development	25	\$73	\$1,825
Van Ta	Park	Health Science and Recreation	The textbook used for HS/HPRF 135 required a lot of supplements and was not fully utilized in class. Dr. Park replaced it with a course reader containing relevant, readily available online resources.	HS/HPRF 135 Health Issues in a Multicultural Society	125	\$108	\$28,875
Tonia	San Nicolas-Rocca	School of Information	INFO 287 students had to use a textbook and an online lab for a combined cost of \$179. To lower costs, the textbook will be replaced with reliable online resources made available through Canvas.	INFO 287 Cybersecurity	25	\$179	\$4,475
Virginia	Tucker	School of Information	INFO 202 is a core course in the School of Information with 26 sections and an enrollment of more than 900 students annually. Its traditional textbook was replaced with a course reader consisting of lectures written by faculty and supplemental readings from academic journals and book chapters, all of which could be included through the King Library's subscriptions and collections.	INFO 202 Information Retrieval System Design	910	\$70	\$63,700
<b>GRAND TOTAL (2013-2015)</b>							<b>\$1,460,315</b>