

How UC Berkeley Created a Custom Web App for Managing Course Evaluations Data

Presented by:

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Course Evaluations Service Lead

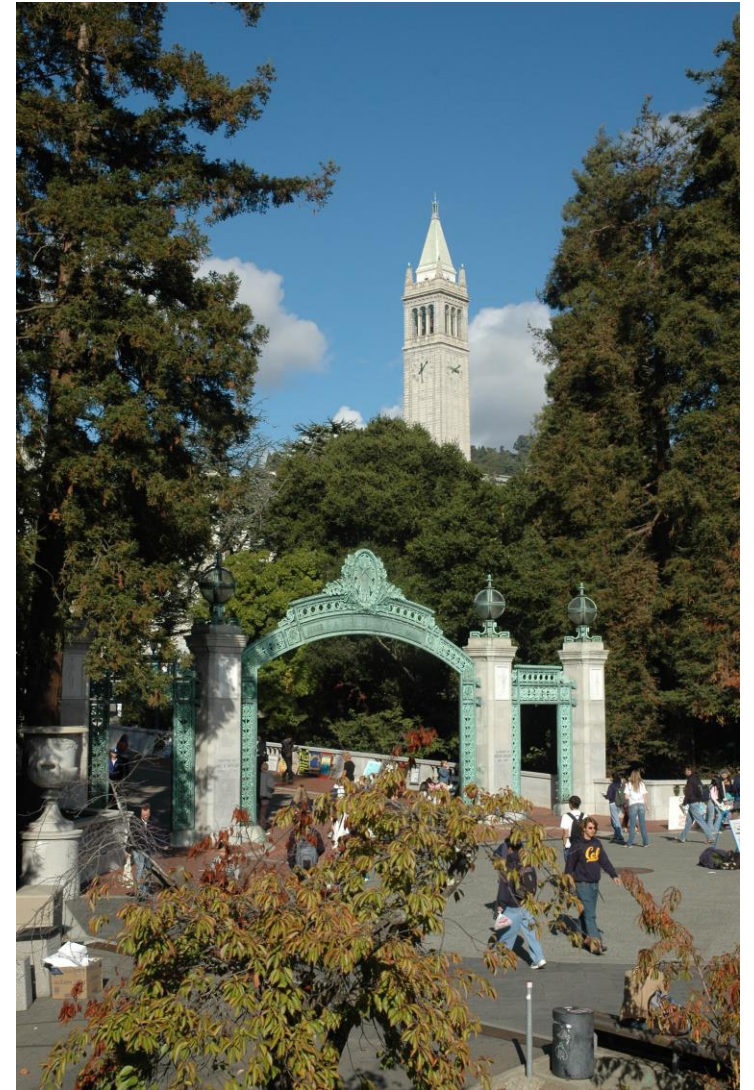
UC Berkeley

Sept 20th, 2023

Course Evaluation Institute



CENTRE FOR TEACHING SUPPORT & INNOVATION



Online Course Evaluations at Berkeley

In Fall 2022 the online course evaluations system sent evaluations to over 38,000 students.

- Over 247,000 unique evaluations
- Over 4,000 instructors evaluated
- Over 8,300 reports sent to instructors and department staff

Online Course Evaluations at Berkeley

Since 2013 Google Sheets and the Google API was used to manage course evaluations data by departments and Blue administrators.

Discourse with Campus Leadership

Why upgrade to a custom web app?

- Wide campus impact
- Increased data integrity / less “bad data”
- Improved feedback quality
- More robust data processes
- Scalability of service
- Reduced staff time
- Improved perceptions of department and service

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Discourse with Development Team

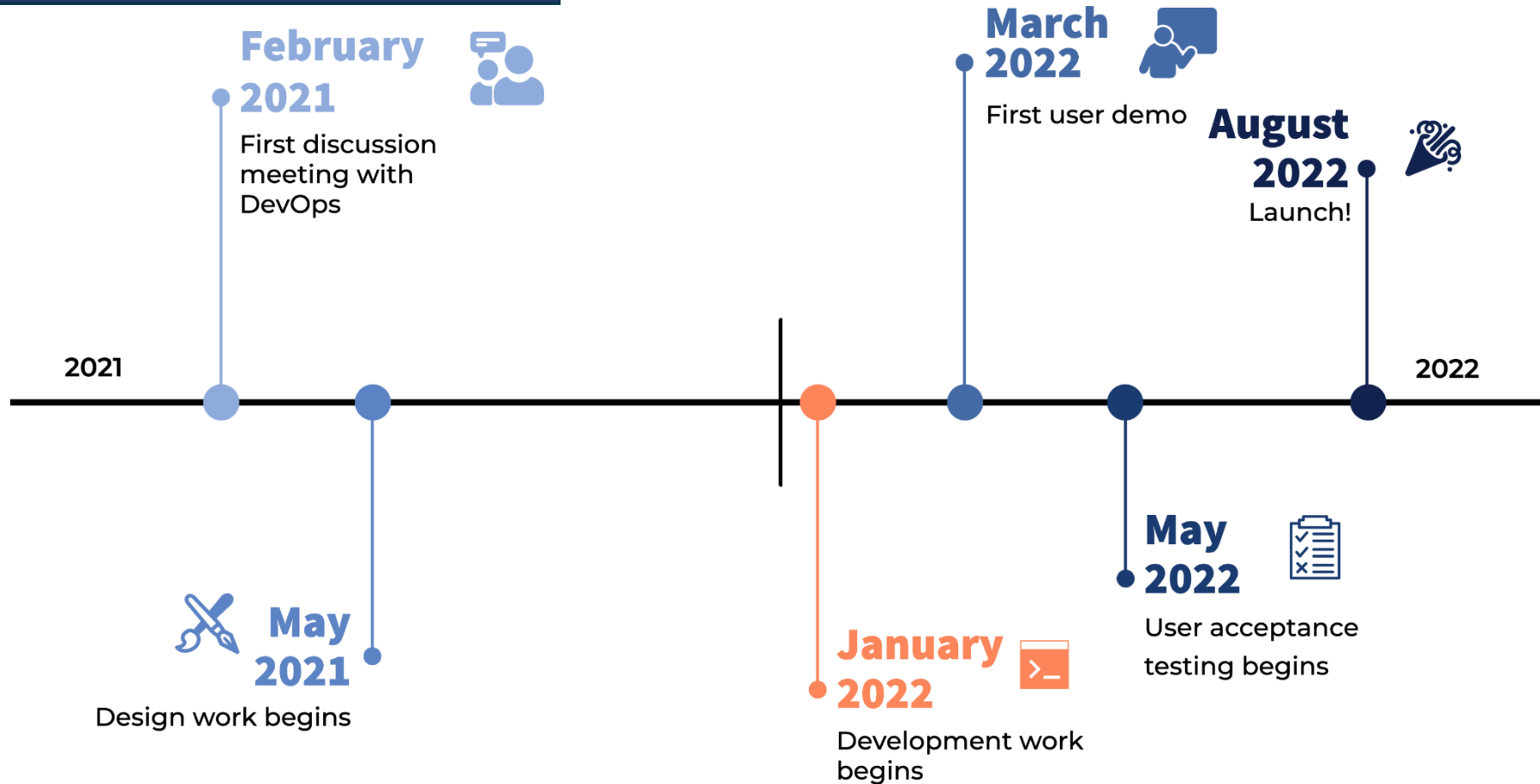
Requirements

- Manage departments and users
- Track all departments / status dashboard
- Share data
- Early evaluation requests
- End-of-term evaluation requests
- Update instructor information
- Add courses
- Edit permission control
- Generate CSV files / SFTP connection to server

Improvements

- Automated access / SSO login
- Streamlined data pipeline
- Daily updates from the Student Information System
- Autofill course and instructor data
- Bulk updates
- Filtering / custom views
- In-line data validation
- Create notes
- Improve handling of cross-listed courses

Development Timeline



Design Iterations

African American Studies (AFRICAM) consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

[Add new course row](#) | [Download Sheet \(CSV\)](#) | [Import Sheet \(CSV\)](#)

Course Actions

Apply

<input type="checkbox"/>	Status	Last Updated	Course ID	Class #	Course Name	Cross-listed	Cross-listed Name	UID/SID	First Name	Last Name	Email
<input type="checkbox"/>	REVIEW	Jan 14, 2022	2021-B-21340	25270	AFRICAM R1A LEC 001 FRESH COMPOSITION	<input type="checkbox"/> Yes		1104971	Ra Malika	Imhotep	msimhotep@berkeley.edu
<input type="checkbox"/>	REVIEW	Jan 14, 2022	2021-B-21341	25270	AFRICAM R1A DIS 101 FRESH COMPOSITION			1104971	Ra Malika	Imhotep	msimhotep@berkeley.edu
<input type="checkbox"/>		Jan 9, 2022	2021-B-21343	16749	AFRICAM 5B DIS 102 AFAM LIFE & CUL	<input checked="" type="checkbox"/> Yes	EDUC C181, AFRICAM C133A SEM 001	1600425	Adriana	Green	adriana_green@berkeley.edu
<input type="checkbox"/>		Jan 9, 2022	2021-B-21344	16749	AFRICAM 5B DIS 103 AFAM LIFE & CUL	<input checked="" type="checkbox"/> Yes	EDUC C181, AFRICAM C133A SEM 001	1551892	Rashad	Timmons	timmon18@berkeley.edu

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Design Iterations

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[Add new course row](#) | [Download Sheet \(CSV\)](#) | [Import Sheet \(CSV\)](#)

Course Actions Apply

<input type="checkbox"/>	Status	Last Updated	Course ID	Class #	Course Name
<input type="checkbox"/>	REVIEW	Jan 14, 2022	2021-B-21340	25270	AFRICAM R1A LEC 001
<input type="checkbox"/>	REVIEW	Jan 14, 2022	2021-B-21341	25270	AFRICAM R1A DIS 101
<input type="checkbox"/>		Jan 9, 2022	2021-B-21343	16749	AFRICAM 5B DIS 102
<input type="checkbox"/>		Jan 9, 2022	2021-B-21344	16749	AFRICAM 5B DIS 103

Course Actions Apply

- Mark as confirmed
- Duplicate course
- Publish to Blue

<input type="checkbox"/>	Status	Last Updated	Course ID	Class #	Course Name
<input type="checkbox"/>		Jan 14, 2022	2021-B-21341	25270	AFRICAM R1A DIS 101
<input type="checkbox"/>	CONFIRMED	Jan 11, 2022	2021-B-24549	25268	AFRICAM R1B LEC 001
<input type="checkbox"/>	CONFIRMED	Jan 11, 2022	2021-B-25023	16749	AFRICAM R1B LEC 002

Design Iterations

Find



[+ Add Course Section](#)

Filter statuses: ✔ NONE (47) ✔ REVIEW (4) ✔ CONFIRMED (5) ⊕ IGNORE (11)

[Mark for review](#) [Mark as confirmed](#) [Unmark](#) [Ignore](#) | [Duplicate](#)

Status	Last Updated	Course Number	Course Name	First Name
<input checked="" type="checkbox"/>	Jan 14, 2021	25270	AFRICAM C133A SEM 001 Race, Identity, and Culture in Urban Schools	Travis Bristol (1603190) tjbristol@berkeley.edu
<input type="checkbox"/>	Jan 14, 2021	25270	EDUC C181 SEM 001 Race, Identity, and Culture in Urban Schools	Travis Bristol (1603190) tjbristol@berkeley.edu



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Design Iterations

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[+ Add Course Section](#)



Mark to-do

Mark as done

Unmark

Ignore

| Duplicate

Filter statuses:

NONE (47)

TO-DO (4)

DONE (5)

IGNORE (11)

Status

Last Updated

Course Number

Course Name

First Name

Jan 14, 2021

25270

AFRICAM C133A SEM 001
Race, Identity, and Culture in Urban Schools

Travis Bristol (1603190)
tjbristol@berkeley.edu



Jan 14, 2021

25270

EDUC C181 SEM 001
Race, Identity, and Culture in Urban Schools

Travis Bristol (1603190)
tjbristol@berkeley.edu

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The Final Product

Evaluation Status Dashboard - Spring 2023

Spring 2023



Send notification Apply

Department	Last Updated ↓	Errors	Confirmed	Notes
<input type="checkbox"/> Earth and Planetary Science (EPS)	Jun 5, 2023	✓	76 / 112	
<input type="checkbox"/> Plant and Microbial Biology (AGRCHM, PLANTBI)	Jun 1, 2023	✓	58 / 124	
<input type="checkbox"/> Public Health (COMPBIO, HMEDSCI, PBHLTH)	May 9, 2023	✓	248 / 374	
<input type="checkbox"/> Journalism (JOURN)	May 8, 2023	3	61 / 66	
<input type="checkbox"/> International and Area Studies (COGSCI, DEVSTD, GLOBAL, GPP, IAS, LATAMST, MESTU, PACS, POLECON)	May 4, 2023	✓	110 / 173	
<input type="checkbox"/> Geography (GEOG)	May 4, 2023	✓	21 / 57	

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The Final Product

The screenshot shows a web interface for an 'Evaluation Status Dashboard'. On the left, a sidebar titled 'Send notification' contains a list of departments with checkboxes. The 'Journalism (JOURN)' department is selected. A modal window titled 'Send Notification' is open in the center, showing a list of recipients under the heading 'Journalism', a 'Subject' text input field, and a larger 'Message' text area. At the bottom of the modal are 'Send' and 'Cancel' buttons. The background dashboard includes a 'Spring 2023' dropdown menu and a 'Notes' section on the right.



Department Contacts

Expand

Notes

Create

Send Notification

+ Add Contact

Find



+ Add Course Section

Select all Mark As To-Do Mark As Done Unmark Ignore | Duplicate Edit

Show statuses: ✔ NONE 63 ✔ TO-DO 0 ✔ DONE 0 IGNORE 0

Select	Status	Last Updated	Course Number	Course Name	Instructor	Department Form	Evaluation Type	Evaluation Period
<input type="checkbox"/>		07/18/2023	32825	JOURN 100 LEC 002 Introduction to News Reporting	[REDACTED]	JOURN	F	11/20/23 - 12/10/23 3 weeks
<input type="checkbox"/>		07/18/2023	32843	JOURN 136 SEM 001 Media Ethics	[REDACTED]	JOURN	F	11/20/23 - 12/10/23 3 weeks
<input type="checkbox"/>		07/18/2023	29922	JOURN 200 SEM 001 Reporting the News	[REDACTED]	JOURN	F	11/20/23 - 12/10/23 3 weeks
<input type="checkbox"/>		07/18/2023	29922	JOURN 200 SEM 001 Reporting the News	[REDACTED]	JOURN	F	11/20/23 - 12/10/23 3 weeks



Department Contacts

Expand

Notes

Send Notification

+ Add Contact

Find [+ Add Course Section](#)

Select all
 [Mark As To-Do](#)
[Mark As Done](#)
[Unmark](#)
[Ignore](#)
 |
 [Duplicate](#)
[Edit](#)

Show statuses: ✔ NONE 2 ✔ TO-DO 3 ✔ DONE 61 IGNORE 0

Select	Status	Last Updated	Course Number	Course Name	Instructor	Department Form	Evaluation Type	Evaluation Period
<input type="checkbox"/>	DONE	04/03/2023	30122	JOURN 136 SEM 001 Media Ethics		JOURN	F	04/17/23 - 05/07/23 3 weeks
<input type="checkbox"/>	DONE	04/03/2023	30103	JOURN 201 FLD 101 Advanced News Reporting		JOURN	F	04/17/23 - 05/07/23 3 weeks
<input type="checkbox"/>	DONE	04/03/2023	30110	JOURN 201 SEM 001 Advanced News Reporting		JOURN	F	04/17/23 - 05/07/23 3 weeks
<input type="checkbox"/>	TO DO	04/03/2023	30104	JOURN 210 LAB 101 News Photography	! Instructor required	JOURN	! Evaluation type required	04/17/23 - 05/07/23 3 weeks

Find



+ Add Course Section

Select all Mark As To-Do Mark As Done Unmark Ignore | Duplicate Edit

Show statuses: NONE 2 **TO-DO 3** DONE 61 IGNORE 0

Select	Status	Last Updated	Course Number	Course Name	Instructor	Department Form	Evaluation Type	Evaluation Period
<div style="background-color: #00728f; color: white; padding: 10px;"> <div style="display: flex; justify-content: space-between;"> <div> <p>Status: <input type="text" value="To-do"/></p> </div> <div> <p>04/03/2023</p> </div> <div> <p>30104</p> </div> <div> <p>JOURN 210 LAB 101 News Photography</p> </div> <div> <p>Instructor: <input type="text" value="Name or UID"/></p> </div> <div> <p>Department Form: <input type="text" value="JOURN"/></p> </div> <div> <p>Evaluation Type: <input type="text" value="Select..."/></p> </div> <div> <p>Start date: <input type="text" value="04/17/2023"/></p> </div> </div> <div style="display: flex; justify-content: flex-end; margin-top: 10px;"> <div style="background-color: #00728f; color: white; padding: 5px 15px; margin-right: 10px;">SAVE</div> <div style="background-color: #e0e0e0; padding: 5px 15px;">CANCEL</div> </div> </div>								
<input type="checkbox"/>	TO DO	04/03/2023	30108	JOURN 226 FLD 101 Science Reporting	! Instructor required	JOURN	! Evaluation type required	04/17/23 - 05/07/23 3 weeks
<input type="checkbox"/>	TO DO	04/03/2023	30107	JOURN 284 LAB 101 Documentary Production	! Instructor required	JOURN	! Evaluation type required	04/17/23 - 05/07/23 3 weeks

User Feedback

”...made this
the fastest
ever for me to
process our
EECS
classes”

“FAR
superior
to the old
[system]”

“Thanks
to all for
your
amazing
work.”

“it appears
deceptively
simple”

Thank you!

Question? Comments?

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 **explorance.**