



FACULTY STAFFING REQUEST FORM

Quantitative Data

School: Math & Science Division

Department: Science, Geology

Position Title (include number of requested positions): One Full-Time Geology Instructor

Use the data provided by the Office of Research and Planning to complete the chart below. Submit this document along with the Faculty Staffing Request Form – Qualitative Criteria to the Office of Academic Affairs by October 15, 2021 at 5 PM.

Quantitative Criteria: (data provided by the Office Research and Planning)

GEOLOGY	Spring and Fall Semesters		
	Prior to May 2018 Average*	Post May 2018 Average**	Loss
FTEF	1.49	0.86	0.63
FT FTEF	0.76	0.43	0.32
FTEF PT +OL	0.23	0.43	-0.20
# OF SECTIONS	8.5	4	4.50
SUM OF FTES	19.6	12.00	7.60
PERCENT FILL and AVG CENSUS ENROLLMENT	79	66	13
SUM OF WSCH	588	353	236
EFFICIENCY	Data Not Supplied	412	NA
PRODUCTIVITY	Data Not Supplied	14	NA

Prior to 2018*	Fall Semesters	Spring Semesters
	2015	2016
	2016	2017
	2017	

Spring 2016 not included due to Sabbatical

Post May 2018**	Fall Semesters	Spring Semesters
	2019	2019
	2020	2020
		2021



FACULTY STAFFING REQUEST FORM

Quantitative Data

Faculty Hiring Data (Fall 2015 through Fall 2017)

	Fall 2015	Spring 2016	Fall 2016	Spring 2017	Fall 2017
FTEF	1.53	Sabbatical	1.57	1.33	1.53
FTEF: % FT	65.3%		76.6%	87.5%	65.3%
FTEF: % PT + OL	21.7%		23.4%	12.5%	34.7%
Number of Sections	8		9	8	9
FTES	20.1		19.5	19.9	18.9
Percent Fill	83.8		72.2	89.2	71.5
Total WSCH	603		585	597	567

Faculty Hiring Data (Spring 2019 through Spring 2021)

Faculty Hiring Data - Geology

	Spring 2019	Summer 2019	Fall 2019	Spring 2020	Summer 2020	Fall 2020	Spring 2021
FTEF	0.77	0.20	0.77	1.13	0.20	0.97	0.77
FT FTEF	0.40	0.00	0.40	0.40	0.00	0.60	0.40
PT FTEF	0.20	0.20	0.20	0.57	0.20	0.20	0.20
FT OLOAD FTEF	0.17	0.00	0.17	0.17	0.00	0.17	0.17
% FT FTEF	52.2%	0.0%	52.2%	35.3%	0.0%	62.0%	52.2%
% PT FTEF	26.1%	100.0%	26.1%	50.0%	100.0%	20.7%	26.1%
% OLOAD FTEF	21.8%	0.0%	21.8%	14.7%	0.0%	17.3%	21.8%
% PT and FT OL..	47.8%	100.0%	47.8%	64.7%	100.0%	38.0%	47.8%
Count Sections	5	1	4	6	1	5	4
Sum FTES	10	3	12	14	3	14	11
Avg Census Enrl..	68	23	43	76	87	65	73
Sum WSCH	294	81	345	411	78	411	327
Efficiency	383	405	450	362	392	425	426
Productivity	13	14	15	12	13	14	14

FTEF, FT FTEF, PT FTEF, FT OLOAD FTEF, % FT FTEF, % PT FTEF, % OLOAD FTEF, % PT and FT OLAD FTEF, Count Sections, Sum FTES, Avg Census Enrl Fill Rate, Sum WSCH, Efficiency and Productivity broken down by Term Desc on page Null. The data is filtered on Acad Yr, which keeps 2017-2018, 2018-2019, 2019-2020 and 2020-2021. The view is filtered on Term Desc, which keeps 8 of 138 members.



FACULTY STAFFING REQUEST FORM

Qualitative Information

School: Math & Science Division

Department: Science, Geology

Position Title (number of requested positions): One (1) Full-Time Geology Instructor

Number of FT Faculty in Fall 2021: Half (1/2) of One Full-Time Position

Number of PT Faculty teaching in Fall 2021: One (1) but he has said he would not be able to be part-time for long

Please submit your responses to the prompts below (no more than 800 words) to the Office of Academic Affairs by October 15, 2021 at 5 PM.

1. Potential Load and/or Potential Direct Student Contact: *(FTE, Courses, number of sections, student/counselor ration; no need to submit days/times of teaching schedule at this time):*
Full-Time load with overload (see Quantitative Data)
2. Availability of qualified hourly faculty to teach and serve students:
Insignificant and undependable long-term
3. Why is it important to have a FT faculty in this role?

We need a Full-Time Geology Instructor for many important reasons.

- (1) We do not have a Geology Transfer Degree due to a lack of a full-time Instructor to manage the course load and ability to create and manage the degree. Without the Geology Transfer Degree, we continue to lose significant funding.
- (2) As outlined in the Quantitative Criteria, we can see the loss of FTE since the retirement of the full-time Geology Instructor.
- (3) The SLO and PLO for Geology are behind due to the lack of a full-time Geology Instructor.
- (4) It has been impossible to find and keep Geology Adjunct Instructors because Geologists can get great paying careers with benefits easily in California. We have many private companies and government positions for Geologists related to environmental clean-up requirements. Geology is not similar to many subjects in the sense that it is highly marketable with just an undergraduate degree, especially in the Bay Area.
- (5) We have an amazing supply of equipment to truly grow a strong Geology Program but no one full-time to commit to the time required to develop it.
- (6) We have an amazing \$5 million-dollar grant associated with UC Davis to encourage student participation in Geology and bring in more majors. In addition, the grant focuses on Student Equity due to a concept the National Science Foundation (NSF) monitors called Novelty Anxiety. It is a truly amazing opportunity to give to our students from all backgrounds. However, we need a full-time Geology Instructor to help me utilize the funds.
- (7) We have approved new curriculum to teach Earth Science Lecture and Lab specifically to support the new K-12 Teachers Transfer Degree. Danielle Widemann created the course and lab due to a request and demand for it. However, she needs a full-time Geology Instructor to take over her courses in Geology to start teach the Earth Science lecture and lab courses for the future teachers.
- (8) We have a social science Geographer teaching Physical Science Geography at the prisons. If she could give her Geology courses and labs to a full-time Geology Instructor, she could teach Physical Geography lecture and lab at the Prisons.



FACULTY STAFFING REQUEST FORM

Qualitative Information

(9) We have all of the supplies to teach Geology and Physical Geography at the centers, Vallejo and Vacaville. However, with Danielle teaching half-time Geography and half-time Geology, she cannot free up her Main Campus schedule to reach out the centers. We have all of the expensive Geology supplies at both centers just sitting there unused because we have no one to travel and teach them without losing our great student numbers at the Main Campus.

(10) Danielle Widemann has been teaching at SCC for 18 years. As a result, she has found topics such as, Basic Skills and Equity truly resonate with her. However, she cannot do any of the Release Time positions nor create programs of great interest to her such as, Students on Probation Working with On Course Methods, without having to not teach the high demand course load and sacrificing guaranteed FTES. While she truly loves teaching Geology, experience, training, and time have brought her to a place where she believes she could truly make a difference in Student Success and Equity along with the new concept of Novelty Anxiety; much of her own personal experience stems from equity and novelty anxiety issue making a very personal interest for her.

(11) And, last but not least, we are losing FTES and hence, money proven to have been there when we did have a full-time Geology Instructor.

4. Areas where additional expertise is needed:

The Geology degree would include courses which would use the new microscopes and slides we already purchased but have no one to teach for the eventual transfer degree. In addition. We would need to create and teach a Historical Geology course for the degree.

5. What will be the impact (students, program, College, other) if this position is not filled?

All Community Colleges have at least one full-time Geology Instructor because it is needed. Along with all of the reasons listed above, we are losing guaranteed funding without a full-time Geology Instructor.

6. How does this position help fulfill the mission of the college and our commitment to antiracist practices?

Unfortunately, Geology classically and historically has been all white males. Solano County's diverse population will lead to the long-needed change in this trend. Geology is a unique subject which calls on both creative and scientific students from all backgrounds promising successful, well-paid employment.

7. Other compelling factors not identified in responses 1-7 above:

Solano College has a committed half-time instructor in Geology. With the support of a full-time Geology Instructor, she can be feed up to help train a new instructor with all of the aspects of teaching lectures, labs, developing degree programs, and learning eLumen, and so much more. Then, she can focus on the NSF grant to promote Equity and Basic Skill as it promotes Novelty Anxiety. The one Geology trip she led with the NSF funding, led to many SCC students experiencing an educational outdoor experience they may have never experienced in their lives. SCC is committed to changing students lives. We can change lives with the outdoors and breaking trends typical of first-generation college students. In a sea kayaking trip led by SCC but funded by the NSF, we had one African-American male, five Latinas, and four other students all of which are EOPS students, along with a Legally Blind student sea kayaking Tomales Bay and learning the Geology of California. That experience will last a lifetime and truly change student lives.

The position was identified in a previous program review: Yes

If no, what changed necessitating a request for a full-time faculty member? NA