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Digital resources:

http://works.bepress.com/susanne_janecke/

https://scholar.google.com/citations?hl=en&user=L8jdOiEAAA&view_op=list_works&sortby=pubdate

https://www.researchgate.net/profile/Susanne_Janecke

<http://pinterest.com/susannejanecke/> Archive of visuals for teaching Geology

SPECIALTY: REGIONAL TECTONICS, STRUCTURAL AND BASIN ANALYSIS OF STRIKE-SLIP AND EXTENSIONAL SETTINGS, QUATERNARY NEOTECTONICS AND ACTIVE TECTONICS, GEOLOGIC IMAGE ANALYSIS

EDUCATION

Ph.D. 1991	GEOLOGY, University of Utah
	Structural, geochronologic and paleomagnetic investigations of Tertiary extension in east-central Idaho, 180 pp. (R. L. Bruhn, advisor)
MS 1986	GEOLOGY, University of Arizona
	Structural geology and tectonic history of the Geesaman Wash area, Santa Catalina Mountains, Arizona, 151 pp. (G. H. Davis and P. Coney, advisors)
BS 1981	GEOLOGY AND ANTHROPOLOGY, University of Michigan
	Honors and Highest Distinction. Senior thesis: Low-magnesian calcite marine cement in Middle Ordovician hardgrounds, Kirkfield, Ontario (B. H. Wilkinson, advisor)

PROFESSIONAL EXPERIENCE

Professor and licensed professional geologist in the State of Utah, 5537652-2250

2008-present	Professor of Geology, Utah State University (75% time appointment, tenure track)
2016	Sabbatical leave, Logan, Utah, California fieldwork
<u>2015-2019</u>	<u>Co-director of Graduate Program in Geology Department</u>
2008-2009	Sabbatical visitor, University of Wisconsin, Madison
2001 to 2002	Courtesy professor at University of Oregon
2000 July	Increase in appointment from 50% to 75% time
1996-2008	Associate Professor of Geology, Utah State University (75% time appointment, tenure track)
1991-1996	Assistant Professor of Geology, Utah State University

	(50% time appointment, tenure track)
1990 and 1991, summers	Instructor, Utah State University
1981-1983	Development Geologist, Texaco U.S.A., New Orleans

AWARDS AND HONORS

- Co-recipient of first university-wide Excellence in Teaching Award, awarded to the Geology Department, April 2005. Seven other faculty and one lecturer were co-recipients.
- Nominee from Geology Department, College of Science Researcher of the year. ~2000
- Fellow of the Geological Society of America, May 2000 to present.
- Dept. of Geol. & Geophysics, Univ. of Utah, Distinguished Ph.D. Research Award, 1990
- American Association of Women Geoscientists: Outstanding Geoscientist Award, Univ. of Utah, 1990

AWARDS OF MY STUDENTS:

- Brady Utley: Geology Department's Outstanding Teaching Assistant of the year, 2016
- Steve Thornock, Geology Department's Outstanding Teaching Assistant of the year, 2012
- Benjamin E. Belgarde, Geology Department's Outstanding Graduate researcher of the year 2008
- Alexander Steely: Geology Department's Outstanding Graduate researcher of the year 2006
- Alexander Steely: Master's level researcher of the year, College of Science
- Colby VanDenburg: Departmental Graduate researcher of the year 1994
- Colby VanDenburg, Departmental Teaching Assistant of the year 1993
- Suzanne Astle: John M. Branch scholarship and Donald W. Fiesinger citizenship award.

PUBLICATIONS-

(IN REVERSE CHRONOLOGICAL ORDER)

Published: *Prior to late 2017, I published without using the umlaut in my last name: Jänecke*

Lonn, J. D., Elliot, C. G., Lewis, R. S., Burmester, R. F., McFadden, M., Stanford, L. R., and Jänecke, S. U. (2019) Map and Pamphlet for GEOLOGIC MAP OF THE MONTANA PART OF THE SALMON 30' X 60' QUADRANGLE, SOUTHWESTERN MONTANA. Butte, MT: 1 Montana Bureau of Mines and Geology. http://mbmg.mtech.edu/pdf-publications/gm_75_pamphlet.pdf
http://mbmg.mtech.edu/pdf-publications/gm_75_map.pdf

Jänecke, S.U., Oaks, R.Q., Jr., Rittenour, T.M., Knight, A.J., Oakeson, J., and Ellis, N., 2019, Cache Valley: A Critical Part of Lake Bonneville, Record Possible Triggers of the Bonneville Flood, Protracted Bonneville High stand, Liquefaction, and Clustered Earthquakes on East and West Cache Fault Zones. In W.R. Lund, A.P. McKean, and S.D. Bowman (Eds.), Proceedings Volume: 2018 Lake Bonneville Geologic Conference and Short Course. Day 2, Sessions 5-8; Utah Geological Survey. Miscellaneous Publication, MP-170-2, p. 68-134. 8 p. article and 58 p. of presentation. https://ugspub.nr.utah.gov/publications/misc_pubs/mp-170/mp-170-2.pdf

Oaks, R.Q., Jr., Jänecke, S.U., Rittenour, T.M., Erickson, T.L., and Nelson, M.S., 2019, OSL dating of two, perhaps three, pre-Bonneville deep-water pluvial lakes in Cache Valley, Utah-Idaho: Implications of their unexpected high altitudes for excavation of Cutler Narrows from a level

- above 1494 m (4901'), down to the present 1314 m (4310') mainly during the Bonneville lake cycle. In W.R. Lund, A.P. McKean, and S.D. Bowman (Eds.), Proceedings Volume: 2018 Lake Bonneville Geologic Conference and Short Course. Day 1, Sessions 1-4; Utah Geological Survey. Miscellaneous Publication, MP-170-1. p. 90-153. 7 p. article, text, figures and tables.
https://ugspub.nr.utah.gov/publications/misc_pubs/mp-170/mp-170-1.pdf
- Pederson, J.L., Rittenour, T.M., Jänecke, S.U., Oaks, R.Q., Jr., 2019, The Bear River's diversion and the cutting of Oneida Narrows at ~55 ka and relations to Lake Bonneville Record. In W.R. Lund, A.P. McKean, and S.D. Bowman (Eds.), Proceedings Volume: 2018 Lake Bonneville Geologic Conference and Short Course. Day 1, Sessions 1-4; Utah Geological Survey. Miscellaneous Publication, MP-170-1, p. 74-89. https://ugspub.nr.utah.gov/publications/misc_pubs/mp-170/mp-170-1.pdf
- Rittenour, T.M., Pederson, J.L., Oaks Jr., R.Q., Jr., Jänecke, S.U., Nelson, M.S., 2019, New Age Control on Old Lake Cycles, evidence from Luminescence Ages from northern Utah and southern Idaho. In W.R. Lund, A.P. McKean, and S.D. Bowman (Eds.), Proceedings Volume: 2018 Lake Bonneville Geologic Conference and Short Course. Day 2, Sessions 5-8; Utah Geological Survey. Miscellaneous Publication, MP-170-2, p. 49-67.
https://ugspub.nr.utah.gov/publications/misc_pubs/mp-170/mp-170-2.pdf
- Jänecke, S.U., Markowski, D.K., Evans, J.P., Persaud, P. and Kenney, M., 2018. Durmid ladder structure and its implications for the nucleation sites of the next M> 7.5 earthquake on the San Andreas fault or Brawley seismic zone in southern California. *Lithosphere* 10 (5): 602-631.
<https://doi.org/10.1130/L629.1>
- Ellis, N.R., and Jänecke, S.U., advisor, 2018, LIDAR results in a revised map and analysis of active faults in West Cache fault zone, Utah (Senior thesis): Utah State University Geology Department.
https://works.bepress.com/susanne_janecke/228/
- Skipp, B.A., Perry, W.J. Jr., and Janecke, S.U., 2017, Geologic map of the Lima Peaks 7.5' quadrangle, Beaverhead County, Montana: Montana Bureau of Mines and Geology Open-File Report 692, 1 sheet, scale 1:24,000.
http://mbmg.mtech.edu/mbmgcat/public/ListCitation.asp?pub_id=31912&
- Moser, A. C., Evans, J. P., Ault, A. K., Jänecke, S. U., and Bradbury, K. K., 2017, (U–Th)/He thermochronometry reveals Pleistocene punctuated deformation and synkinematic hematite mineralization in the Mecca Hills, southernmost San Andreas Fault zone. *Earth and Planetary Science Letters*, 476, 87-99.
- Forand, D., Evans, J.P., Janecke, S.U., and Jacobs, J., 2017, Cajon Pass Redux: Analysis of the Cajon Pass drill hole core, and insights into fault processes and fault geometry of the San Andreas fault system: *Geological Society of America Bulletin* doi: <https://doi.org/10.1130/B31681.1>
- Jänecke S.U., and Evans, J.P., 2017, Revised structure and correlation of the East Great Salt Lake, North Promontory, Rozel and Hansel Valley fault zones revealed by the 2015-2016 low stand of Great Salt Lake: in Lund, W.R., Emerman, S.H.; Wang, W., Zanazzi, A., editors, *Geology and Resources of the Wasatch: Back to Front*; Utah Geological Association Publication 46, p. 295 to 360.
- Pederson, J.L., Janecke, S.U., Reheis, M.C., Kaufman, D.S., and Oaks, R.Q., Jr., 2016, The Bear River's history and diversion—constraints, unsolved problems, and implications for the Lake Bonneville record: *Lake Bonneville: A scientific update*. Elsevier, *Developments in Earth Surface Processes* volume 20, p. 28-59.
- Bradbury, K. K., Davis, C. R., Shervais, J. W., Janecke, S. U., and Evans, J. P., 2015, Composition, Alteration, and Texture of Fault-Related Rocks from SAFOD Core and Surface Outcrop Analogs:

- Evidence for Deformation Processes and Fluid-Rock Interactions. *Pure and Applied Geophysics*, 172(5), 1053-1078.
- Evans, J.P., Prante, M.R., Janecke, S.U., Ault, A.K., and Newell, D.L., 2014, Hot faults: Iridescent slip surfaces with metallic luster document high-temperature ancient seismicity in the Wasatch fault zone, Utah, USA. *Geology*, G35617-1.
<http://geology.gsapubs.org/content/early/2014/05/21/G35617.1.abstract>
- Prante, M.P., Evans, J.P., Janecke, S.U., Steely, A., 2014, Evidence for paleoseismic slip on a continental low-angle normal fault: Tectonic pseudotachylyte from the West Salton detachment fault, CA, USA, *Earth and Planetary Science Letters*, v. 387, p. 170-183, ISSN 0012-821X,
<http://dx.doi.org/10.1016/j.epsl.2013.10.048>.
- Thornock, S.J., and Janecke, 2013, Southward Continuation of the San Jacinto Fault Zone through and beneath the Extra and Elmore Ranch Left-Lateral Fault Arrays, Southern California; [MS thesis of coauthored research] USU digital commons <https://digitalcommons.usu.edu/etd/1978>
- Janecke, S.U., 2013, Final Report for 2012 SCEC Grant, Testing a step-over model of the southern San Andreas fault at Durmid Hill: SCEC database. 8 p. (revised in 2016)
http://sceccore2.usc.edu/proposalfiles/2012reports/Janecke_12137_report.pdf
- Janecke, S.U. and Thornock, S.J., 2013, Crossing faults within the San Jacinto zone: southern California: Final report for SCEC grant 2011; SCEC database. 15 p.
https://files.scec.org/s3fs-public/reports/2011/11164_report.pdf
- Janecke, S.U., and Oaks, R.Q., Jr., 2011a, New insights into the outlet conditions of late Pleistocene Lake Bonneville, southeastern Idaho, USA: *Geosphere*, v. 7(6): 1369-1391.
- Janecke, S.U., and Oaks, R.Q., Jr., 2011b, Reinterpreted history of latest Pleistocene Lake Bonneville: Geologic setting of threshold failure, Bonneville flood, deltas of the Bear River, and outlets for two Provo shorelines, southeastern Idaho, USA, in Evans, J.P., and Lee, J., eds., *Geologic Field Trips to the Basin and Range, Rocky Mountains, Snake River Plain, and Terranes of the U.S. Cordillera: Geological Society of America Field Guide 21*, p. 193–220, doi:10.1130/2011.0021(09).
- Janecke, S.U. and Thornock, S.J., 2011, Progress Report: Digital mapping of active interpenetrating faults within the San Jacinto fault zone, southern California: Final report for SCEC grant 2010; SCEC database. 11 p.
http://sceccore.usc.edu/proposalfiles/2010reports/Janecke_10134_report.pdf
- Chetel, L.M., Janecke, S.U., Carroll, A.R., Beard, B.L., Johnson., C.M., and Singer., B.S., 2011, Paleogeographic Reconstruction of the Eocene Idaho River, North American Cordillera: *Geological Society of America Bulletin*, v.123, p. 71-88, first published on October 18, 2010, doi:10.1130/B30213
- Dorsey, R.J., Housen, B.A., Janecke, S.U., Fanning, C.M., Spears, A.L.F., 2011, Stratigraphic record of basin development within the San Andreas fault system: Late Cenozoic Fish Creek—Vallecito basin, southern California: *Geological Society of America Bulletin*, May 2011, v.123, p. 771-793, first published on January 5, 2011, doi: 10.1130/B30168.1.
- Janecke, S.U., Dorsey, R.J., and Belgarde, B., 2010, Age and structure of the San Jacinto and San Felipe fault zones and their lifetime slip rates: In Clifton, H.E., and Ingersoll, R.V., eds., 2010, *Geologic excursions in California and Nevada: tectonics, stratigraphy and hydrogeology: Pacific Section, SEPM (Society for Sedimentary Geology) Book 108*, p. 233-271.
- Janecke, S.U., and Forand, D., 2010, Assessing the magnitude of off-fault damage along the southeastern San Jacinto fault zone: Is the lifetime slip rate 30% too low?: Final report for

- SCEC Grant to Janecke, 2007, 112 p. Excerpt from Thesis by Forand.2010.http://sceccore.usc.edu/proposalfiles/2007reports/Janecke_07126_report.pdf
- Skipp, B., Snyder, L., Janecke, S.U., Kuntz, M.A., 2009, Geologic map of the Arco 30 by 60 minute quadrangle, south-central Idaho: Idaho Geological Survey Geologic Map 47: scale 1:100,000, 43 pgs. Compiled by Skipp and Kuntz.[http://www.idahogeology.org/PDF/Maps_\(M\)/Geologic_Maps_\(GM\)/PDF/arco_GM47-m.pdf](http://www.idahogeology.org/PDF/Maps_(M)/Geologic_Maps_(GM)/PDF/arco_GM47-m.pdf)
[http://www.idahogeology.org/PDF/Maps_\(M\)/Geologic_Maps_\(GM\)/PDF/Arco_booklet_GM47_b.pdf](http://www.idahogeology.org/PDF/Maps_(M)/Geologic_Maps_(GM)/PDF/Arco_booklet_GM47_b.pdf)
- Springer, S.D., Evans, J.P., Garver, J.I., Kirschner, D., and Janecke, S.U., 2009, Arkosic rocks from the San Andreas Fault Observatory at Depth (SAFOD) borehole, central California: Implications for the structure and tectonics of the San Andreas fault zone: *Lithosphere*, v.1, p. 206-226.
- Steely, A.N., Janecke, S.U., Axen, G.J., Dorsey, R.J., 2009, Pleistocene reorganization of the southern San Andreas fault system: Initiation and structures of the San Felipe fault zone: *Geological Society of America Bulletin*, v.121, no.5/6; p. 663–687; doi: 10.1130/B26239.1; 15 figures; 1 table.
- Stroup, C.N., Link, P.K., Janecke, S.U., Fanning, C.M., Yaxley, G.M., and Beranek, L.P., 2008, Eocene to Oligocene provenance and drainage in extensional basins of southwest Montana and east-central Idaho: Evidence from detrital zircon populations in the Renova Formation and equivalent strata, in Spencer, J.E., and Titley, S.R., eds., *Ores and orogenesis: Circum-Pacific tectonics, geologic evolution, and ore deposits: Arizona Geological Society Digest 22*, p. 529-546.
- Janecke, S.U., Dorsey, R.J., and Belgarde, B., 2008, Age and structure of the San Jacinto and San Felipe fault zones, and their lifetime slip rates, in, Rockwell, T. compiler, *Cross correlation of Quaternary dating techniques, slip rates, and tectonic models in the western Salton Trough (Guidebook for Day 2 of the Friends of the Pleistocene Pacific Cell Field Trip Cordilleran section)*, 31 p.
- Janecke, S.U., Dorsey, R.J., and Belgarde, B., 2008, Early Pleistocene initiation and structural complexity of the San Jacinto and San Felipe fault zones, in, Rockwell, T. compiler, *Cross correlation of Quaternary dating techniques, slip rates, and tectonic models in the western Salton Trough (Road Log for Day 2 of the Friends of the Pleistocene Pacific Cell Field Trip Cordilleran section)*, 5 p.
- Janecke, S.U., and Belgarde, B.E., 2008, Detecting hidden, high-slip rate faults: S. San Jacinto fault zone; Final Report for NEHRP Grant 06HQGR0031, 96 p.
<http://earthquake.usgs.gov/research/external/research.php?yearID=2006&pi=janecke®ionID=&award=&keyword=&submit=Find+Projects>
- Kirby, S.M., Janecke, S.U., Dorsey, R.J., Housen, B.A., McDougall, K., Langenheim, V., and Steely, A., 2007, Pleistocene Brawley and Ocotillo formations: Evidence for initial strike-slip deformation along the San Felipe and San Jacinto fault zones, California: *Journal of Geology*.v.115 (1), p. 43-62.
- Dorsey, R.J., Fluette, A., McDougall, K.A., Housen, B.A., Janecke, S.U., Axen, G.A., and Shirvell, C.R., 2007, Chronology of Miocene-Pliocene deposits at Split Mountain Gorge, southern California: A record of regional tectonics and Colorado River evolution: *Geology*, v.35, p. 57-60.
- Janecke, S.U., 2007, (invited) Cenozoic extensional processes and tectonics in the northern Rocky Mountains: southwest Montana and eastern Idaho: *Northwest Geology*, v.36, p. 111-132.
https://works.bepress.com/susanne_janecke/12/

- Lonon, J.D., Skipp, B., Ruppel, E.T., Janecke, S.U., Perry, W.J., Jr., Sears, J.W., Bartholomew, M.J., Stickney, M.C., Fritz, W.J., Hurlow, H.A., and Thomas, R.C., 2006 (Revised), Geologic map of the Lima 30' x 60' quadrangle, southwest Montana: Montana Bureau of Mines and Geology Open File Report MBMG 408, scale 1:100,000.http://www.mbmng.mtech.edu/mbmgcat/public/ListCitation.asp?pub_id=11279&
- Lutz A.T., Dorsey, R.J., Housen, B.A., Janecke, S.U.(2006) Stratigraphic record of Pleistocene faulting and basin evolution in the Borrego Badlands, San Jacinto fault zone, Southern California. Geological Society of America Bulletin: v.118, No.11 pp. 1377–139.
- Long, S.P., Link, P.K., Janecke, S.U., Rodgers, D.W., Perkins, M.E., and Fanning, C.M., 2006, Multiple phases of late Cenozoic extension and synextensional deposition of the Salt Lake Formation in an evolving supradetachment basin, Malad Range, southeast Idaho: Rocky Mountain Geology, v.41, p. 1-27.DOI: 10.2113/gsrocky.41.1.1
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- Steely, A.N., Janecke, S.U., Long, S.P., Carney, S.C., Oaks, R.Q. Jr., Langenheim, V.E., and Link, P.K., 2005, Evolution of a Late Cenozoic supradetachment basin above a flat-on-flat detachment with a folded lateral ramp, SE Idaho, in Pederson, J., and Dehler, C.M., eds., Interior Western United States: Geological Society of America Field Guide 6, p. 169-198, doi: 10.1130/2005.fld006(08).
- Steely, A.N., and Janecke, S.U., 2005, Geologic map of the Weston Canyon 7.5' quadrangle, Oneida and Franklin Counties, Idaho: Technical Report T-05-3: Idaho Geological Survey, scale 1:24,000. http://www.idahogeology.org/products/reverselook.asp?switch=title&value=Geologic_Map_of_the_Weston_Canyon_7.5_Quadrangle,_Franklin_and_Oneida_Counties,_Idaho
- Skipp, B., and Janecke, S.U., 2004, Geologic map of the Montana part of the Dubois 30' x 60' quadrangle, southwest Montana: Montana Bureau of Mines and Geology Open File Report MBMG 490, scale 1:100,000.http://www.mbmng.mtech.edu/sbcitation.asp?cit1=MBMG&cit2=490&http://www.mbmng.mtech.edu/mbmgcat/public/ListCitation.asp?pub_id=11361&
- Long, S., Link, P.K., Janecke, S.U., and Rodgers, D.W., 2004, Geologic map of the Henderson Creek quadrangle, Oneida County, Idaho: Idaho Geological Survey Technical Report 04-3, scale 1:24,000.[http://www.idahogeology.org/PDF/Technical_Reports_\(T\)/PDF/hendersoncreek_T-04-3-M.pdf](http://www.idahogeology.org/PDF/Technical_Reports_(T)/PDF/hendersoncreek_T-04-3-M.pdf)
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- Biek, R.F., Oaks, R.Q. Jr., Janecke, S.U., Solomon, B.J., and Barry-Swenson, L.M., 2003, Geologic maps of the Clarkston and Portage quadrangles, Box Elder and Cache counties, Utah, and Franklin and

- Oneida counties, Idaho: Utah Geological Survey Map 194, 3 plates, scale 1:24,000, 41 p.
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plates.
<http://www.idahogeology.com/Products/reverselook.asp?switch=title&value=Geologic Map of the Clifton Quadrangle, Franklin and Oneida Counties, Idaho>
- Janecke, S.U., and Blankenau, J.C., 2003, Extensional folds associated with Paleogene detachment faults in SE part of the Salmon basin: Northwest Geology, v.32, p. 51-73. Field trip guide to accompany a field trip led for the joint Belt Symposium IV and Tobacco Root Geological Association conference in Salmon, Idaho.
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- Janecke, S.U., Blankenau, J.J., VanDenburg, C.J., and Van Gosen, B.S., 2001, Normal faults and extensional folds of southwest Montana and eastern Idaho: U.S. Geological Survey Miscellaneous Field Studies 2362, scale 1:100,000.
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- Janecke, S.U., McIntosh, W., and Good, S., 1999, Testing models of rift basins: Structure and stratigraphy of a Eocene-Oligocene supra-detachment basin, Muddy Creek half graben, southwest Montana: Basin Research, v.12, p. 143-167.
- Link, P.K., and Janecke, S.U., 1999, Geology of East-Central Idaho: Geologic Roadlogs for the Big and Little Lost River, Lemhi, and Salmon River Valleys: Guidebook to the Geology of eastern Idaho, Hughes, S. and Thackray, G. eds., Idaho Museum of Natural History, p. 295-334. (two peer reviews) <http://imnh.isu.edu/digitalatlas/geo/snkrvpln/snkrvpln.htm>
- Janecke, S.U., and Evans, J.C., 1999, Folded and faulted Salt Lake Formation above the Miocene to Pliocene New Canyon and Clifton detachment faults, Malad and Bannock Ranges, Idaho: Field

- trip guide to the Deep Creek half graben and environs: Guidebook to the Geology of eastern Idaho, Hughes, S. and Thackray, G, eds., Idaho Museum of Natural History, p. 71-96. <http://imnh.isu.edu/digitalatlas/geo/snkrvpln/snkrvpln.htm>
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ADVISEES

MASTER'S-CURRENT AND FORMER (IN REVERSE CHRONOLOGICAL ORDER)

JANECKE WAS A COAUTHOR OF ALL THE GEOLOGIC MAPS AND MOST OF THE MAIN CHAPTERS IN THESE THESES.

Clara Thomann, in progress, Documenting the structural geometry and history of transition between the San Andreas fault and the Brawley Seismic zone, California.

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- James J. Blankenau, 1999, Cenozoic structure and stratigraphy of the southeast Salmon basin, east-central Idaho. M.Sc. thesis. 142 pp., 2 plates. Scale 1:24,000. (Environmental consulting)
- Colby J. VanDenburg, 1997, Cenozoic tectonic and paleogeographic evolution of the Horse Prairie half graben, southwest Montana. M.Sc. thesis. 152 pp., 2 plates, scale 1:24,000. (Petroleum industry)s
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UNDERGRADUATE-SENIOR THESES

- Nathan Ellis, Spring and Summer 2018. >25 additional km of Holocene rupture along the West Cache fault zone identified with LIDAR, Logan UT.
- Justin Oakeson, Spring and Fall 2014. Deformation in Bonneville deposits from liquefaction and active faulting, Logan, Utah.
- Dallas Nutt, Spring 2012 to Fall 2013, Deformation in Bonneville deposits from liquefaction and active faulting, Logan, Utah.

- A.J. Knight, spring 2012 to Fall 2013, Deformation in Bonneville deposits from liquefaction and active faulting, Logan, Utah.
- Douglas Standart, Fall 2010, Mapping active normal faults east of the Santa Rosa Mountains w
- Jo Pendelton, Spring 2010, Image analysis of strike-slip fault meshes in the Superstition Hills, California.
- Alexander N. Steely (University of Oregon)-Analysis of the Borrego Mountain area, California.
- Suzanne Astle-Earthquakes in Indonesia.
- Michelle Jepson-Analysis of folds in central Idaho and their implications for subsequent deformation
- Marie Swenson-Geologic mapping of the Salt Lake Formation, Junction Hills, Northern Utah.
- Melissa Noble-Flexural modeling of the Yellowstone hot spot track: Clay modeling.
- Valerie Thomason-Cross sections of thrusts and normal faults in SW Montana.

JANECKE'S TEACHING ROTATION 2007 TO 2020
 EVERY CLASS THAT I TEACH IS OFFERED ON AN ALTERNATE-YEAR BASIS AND
 SOMETIMES THREE YEARS ELAPSE BETWEEN PREPARATIONS.

YEAR	COURSE
SPRING 2019	TRANSFORMS GEO 5610/6610 (2)
FALL 2019	INTRODUCTION TO FIELD METHODS GEO 4700 (3)
SUMMER 2019	FIELD CAMP GEO 5200; NATURAL DISASTERS (3) GEO 3700 (DOUBLE SPEED DURING A 7-WEEK SESSION)
FALL 2018	GEOLOGIC IMAGE ANALYSIS (3) GEO 5630
SUMMER 2018	FIELD CAMP GEO 5200 (ONE PROJECT)
SPRING 2018	TRANSFORMS GEO 5610/6610 (2)
FALL 2017	INTRODUCTION TO FIELD METHODS (3) GEO 4700
SUMMER 2017	NATURAL DISASTERS (3) GEO 3700 (DOUBLE SPEED DURING A 7-WEEK SESSION)
FALL 2015	INTRODUCTION TO FIELD METHODS (3) GEO 4700
SUMMER 2015	FIELD CAMP (5) GEO 5200 (PART OF TEAM, 6 FACULTY FROM USU)
SPRING 2015	BASIN ANALYSIS (3) GEO 5480
FALL 2014	GLOBAL GEOPHYSICS (3) GEO 5620/6620
FALL 2014	ADVANCED GRADUATE FIELD TRIP TO SW UTAH: STRUCTURE, TECTONICS AND MAGMATISM (2): GEO 6800-001
SPRING 2014	GEOLOGIC IMAGE ANALYSIS (3) GEO 5630
FALL 2013	INTRODUCTION TO FIELD METHODS (3) GEO 4700
SUMMER 2013	FIELD CAMP (5) GEO 5200 (PART OF TEAM, 6 FACULTY FROM USU)

SPRING 2013	BASIN ANALYSIS (3) GEO 5480/6480
FALL 2012	GLOBAL GEOPHYSICS (3) GEO 5620/6620
SUMMER 2012	FIELD CAMP (5) GEO 5200 (PART OF TEAM, 6 FACULTY FROM USU)
SPRING 2012	GEOLOGIC IMAGE ANALYSIS (3) GEO 5630
SPRING 2012	FIELD EXCURSIONS (1) GEO 2500
FALL 2011	INTRODUCTION TO FIELD METHODS GEO 4700
SPRING 2011	BASIN ANALYSIS (3) GEO 5480/6480
FALL 2010	FIELD EXCURSIONS (1) GEO 2500
FALL 2010	GLOBAL GEOPHYSICS (3) GEO 5620/6620
SUMMER 2010	FIELD CAMP GEO 5200 (EVANS AND TEAM OF ~5 USU FACULTY)
SPRING 2010	GEOLOGIC IMAGE ANALYSIS GEO 5630
FALL 2009	TECTONICS OF W. NORTH AMERICA GEO 5610/6610
FALL 2009	INTRODUCTION TO FIELD METHODS GEO 4700
SPRING 2008	BASIN ANALYSIS FIELD TRIP AND COURSE GEO 4900
SPRING 2008	BASIN ANALYSIS FIELD TRIP AND COURSE, SALTON TROUGH, CA GEO 6800 SECTION 3
SPRING 2008	BASIN ANALYSIS FIELD TRIP AND COURSE, SALTON TROUGH, CA GEO 6800 SECTION 4
SPRING 2008	BASIN ANALYSIS FIELD TRIP AND COURSE, SALTON TROUGH, CA GEO 6800 SECTION 2
FALL 2007	INTRODUCTION TO FIELD METHODS GEO 4700
FALL 2007	TECTONICS OF WESTERN NORTH AMERICA GEO 5610/6610
SPRING 2007	PHOTOGEOLOGY GEO 5630

Prior teaching

Historical Geology GEO 3200	Lower division	Several times
Physical Geology GEO 1110	Lower division	Several times
Introductory Geology GEO 1100	Lower division	Several times