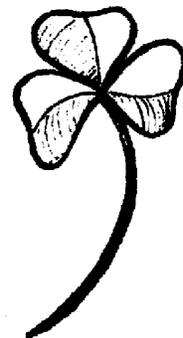


Bibliography

Education/Learning



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Bibliography

- [1] Joseph Bordogna. Tomorrow's civil systems engineers – the master intergrators. *ASCE Journal of Professional Issues in Engineering Education and Practice*, 124(2):48, 1998.
- [2] Neil S. Grigg. Case method for teaching water– resources management. *ASCE Journal of Professional Issues in Engineering Education and Practice*, 121(1):30–36, January 1995.
- [3] Joy M. Pauschke and Anthony R. Ingraffea. Recent innovations in undergraduate civil engineering curriculums. *ASCE Journal of Professional Issues in Engineering Education and Practice*, 122(3):123–133, July 1996.
- [4] David A. Sabatini. Teaching and research synergism: the undergraduate research experience. *ASCE Journal of Professional Issues in Engineering Education and Practice*, 123(3):98–102, July 1997.
- [5] Peter C. Chang, Richard H. McCuen, and Jayanta K. Sircar. Multimedia–based instruction in engineering education: Strategy. *ASCE Journal of Professional Issues in Engineering Education and Practice*, 121(4):216–219, October 1995.
- [6] Richard H. McCuen and Peter C. Chang. Multimedia–based instruction in engineering education: Evaluation. *ASCE Journal of Professional Issues in Engineering Education and Practice*, 121(4):220–224, October 1995.
- [7] Edward A. Lee and David G. Messerschmitt. A highest education in the year 2049. *Proceedings of the IEEE*, 87(9):1685–1691, September 1999.
- [8] Richard Felder and Rebecca Brent. ExCEEEd effective college teaching seminar: Course material. 1999 Civil Engineering Conference and Exposition, Charlotte, North Carolina, October 16-17 1999.
- [9] R. M. Felder and R. Brent. Navigating the bumpy road to student–centered instructions. *College Teaching*, 44(2):43–47, 1996.
- [10] L. K. Michaelson and R. H. Black. *Building learning teams: the key to harnessing the power of small groups in higher education*, volume 2 of *Collaborative learning: A Sourcebook for Higer Education*. National Center for Teaching, Learning & Asesment, State College, PA., 1994.
- [11] D. W. Johnson, R. T. Johnson, and K. A. Smith. *Active Learning: Cooperation in the College Classroom*. Interaction Book Co., Edina, MN, 2 edition, 1998.
- [12] R. M Felder, K. D. Forrest, L. Baker-Ward, E. J. Dietz, and P. H. Mohr. A longitudinal study of engineering student performance and retention. I success and failure of introductory courses. *Journal of Engineering Education*, 82(1):15–21, 1993.
- [13] R. M Felder, P. H Mohr, E. J. Dietz, and L. Baker-Ward. A longitudinal study of engineering student performance and retention. II differences between students from rural and urban backgrounds. *Journal of Engineering Education*, 83(3):15–21, 1994.
- [14] R. M Felder, G. N. Felder, M. Mauney, C. E. Hamrin Jr., and E. J. Dietz. A longitudinal study of engineering student performance and retention. III gender differences in student performance and atitudes. *Journal of Engineering Education*, 84(2):151–163, 1995.
- [15] R. M Felder. A longitudinal study of engineering student performance and retention. IV instructional methods. *Journal of Engineering Education*, 82(1):361–367, 1995.
- [16] Ronald R. Schmeck. *Learning strategies and learning styles*, chapter 2 and 7. Plenum Press, 1988. LB1060 L4246 1988.
- [17] Richard M. Felder. On creating creative engineers. *Engineering Education*, pages 222–227, January 1987.

- [18] B. S. Bloom, M. D. Engelhart, E. J. Furst, W. H. Hill, and D. R. Krathwohl. *Taxonomy of educational objectives; the classification of educational goals*, volume Handbook I: Cognitive Domain. New York, D. McKay Co., Inc., 1956.
- [19] Phillip C. Wankat and Frank S. Oreovicz. *Teaching engineering*. New York : McGraw-Hill, 1993.
- [20] A. Rugarcia, R.M. Felder, D.R. Woods, and J.E. Stice. The future of engineering education. i. a vision for a new century. *Chemical Engineering Education*, 34(1):16–25, 2000.
- [21] R.M. Felder, D.R. Woods, J.E. Stice, and A. Rugarcia. The future of engineering education. ii. teaching methods that work. *Chemical Engineering Education*, 34(1):26–39, 2000.
- [22] D.R. Woods, R.M. Felder, A. Rugarcia, and J.E. Stice. The future of engineering education. iii. developing critical skills. *Chemical Engineering Education*, 34(2):108–117, 2000.
- [23] J.E. Stice, R.M. Felder, D.R. Woods, and A. Rugarcia. The future of engineering education. iv. learning how to teach. *Chemical Engineering Education*, 34(2):118–127, 2000.
- [24] R.M. Felder, G.N. Felder, and E.J. Dietz. A longitudinal study of engineering student performance and retention. V. comparisons with traditionally-taught students. *Journal of Engineering Education*, 87(4):469–480, 1998.
- [25] R.M. Felder and E.R. Henriques. Learning and teaching styles in foreign and second language education. *Foreign Language Annals*, 28(1):21–31, 1995.
- [26] D. Niemeier, R. W. Boulanger, P. V. Bayly, S. R. Schmid, K. K. Muraleetharan, and A. Barros. Integration of engineering education and research: Perspectives from the NSF Civil and Mechanical Systems 1998 CAREER workshop. *Journal of Engineering Education*, April 2001.
- [27] L. K. Michaelsen, L. D. Fink, and A. Knight. Designing effective group activities: Lessons for classroom teaching and faculty development. *To Improve Academy*, 16:373–398, 1997.
- [28] H. C. Foyle. Interactive learning in the higher education classroom: Cooperative, collaborative, and active learning strategies. In Harvey C. Foyle, editor, ..., page 237. National Education Association, Washington D.C., 1995.
- [29] Edward A. Lee and David G. Messerschmitt. Engineering an education for the future. *IEEE Computer*, 31(1):77–85, 1998.
- [30] Maurice J. Ponte. A day in the life of a student in the year 2012 a.d. *Proceedings of the IEEE*, 87(9):1682–1684, 1999.
- [31] Holly M. Bik and Miriam C. Goldstein. An introduction to social media for scientists. *PLOS Biology*, 2013.

