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Qassroom Observation Protocols

Reformed Teaching Observation Protocol (RTOP)

This classroom observation protocol measures the extent to which a class embodies \dot{A} $(E_1)_{\mu} \cdot u_{\infty} \cdot v_{\infty} \cdot (\dot{C}_{\omega} \cdot v_{\omega}) \cdot (\dot{C}_{\omega} \cdot v_{\omega$

ReferencePiburn,M., and Sawada, D. (2000). Reformed Teaching Observation Protocol (RTOP) Reference Manual. ACEPT Technical Report.

Teaching Dimensions Observational Protocol (TDOP)

This classroom observation protocol uses a-twio ute time sampling method to track classoom teaching practices across five different dimensions: teaching methods, pedagogical strategies, studeteacher interactions, cognitive engagement, and instructional technology. The TDOP was based on a protocol by Osthoff et al. (2009).

Hora, M. T.and Ferrare, J. J. (2013). Instructional systems of practice: A multidimensional analysis of math and science undergraduate course planning and classroom teaching. J. Learn. Sci. 22,t252.

ReferenceOsthoff, E., Clune, W., Ferrare, J., Kretchma& Mhite, P. (2009). Implementing immersion: Design, professional development, classroom enactment and learning effects of an extended science inquiry unit in an urban district. Madison: University of WisconsitMadison, Wisconsin Center for Educational Research.

Webpage: http://tdop.wceruw.org/

Classroom Observation Protocol for Undergraduate STEM (COPUS)

This classroom observation protocol uses a-twio ute time sampling method to track instructor and studentdores d. 51r14.94 T /F3 126--- st

UTeach Observation Protocol (UTOP)

This observational instrument can be used to assess the overall quality of classroom instruction from kindergarten to the undergraduate level. The UTOP was designed to allow individuals to evaluate teaching effectiveness, while valuing different modes of instruction.

Webpage: http://utop.uteach.utexas.edu/

OregonTeacher Observation Protocol (OOP)

This observation protocol measures implementation of reformsed teaching strategies.

Reference Wainwright, C. L., Flick, L. B., and Morrell, P(2003). Development of instruments for assessment of instructional practices in standbacked teaching. Journal of Mathematics and Spice: Collaborative Explorations 26:146.

Inquiring into Science Instruction Observation Protocol (ISIOP)

This classroombservation protocol is designed to assist evaluators and researchers in determining the extent to which quality pedagogical practices and instruction about scientific inquiry are present in secondary science teaching.

Webpage: http://isiop.edc.org/

Partnership for Undergraduate Life Sciences Education (PULSE) Vision and Change Rubrics

These rubrics were developed by the PULSE Vision & Change Leadership Fellows to help departments selfassess the extent to which they have adopted the instructional principles outlined in the vision and Changeport (2011).

Reference Aguirre, K. M., Balser, T. C., Jack, T., Marley, K. E., Miller, K. G., Osgood, M. P., PapeLindstrom, P. A., and Romano, S. L. (2013). PULSE Vision & Change CBE Life Sci Educ 1279 t581.

American Association for the Advancement of Science (AAAS) (2011). Vision and change in undergraduate biology education: A call to action, Washington, D.C.

Self-Assessment of Teaching Practices and Beliefs

Approaches to Teaching Inventory (ATI)

The original instrument designed by Prosser and Trigwell (1999) is composed of 16 items š Z š u • μ Œ š Á } • ‰ Œ š] u v•] γ • } (v] v• š Œ μ š } Œ [• š determines the degree to which an instructor is focused on conceptual change/sttude focused (CCSF). The other scale measures the degree to which an instructor is focused on information transmission/teachefocused (ITTF). An additional part of the survey

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developed by Lindblom Ylanne et al. (2006) Æ ‰ o } Œ • š Z Œ • [u } š] À š] } v v regulation strategies, including sedegulation, external regulation, and lack of regulation.

ReferencesTrigwell, K., Prosser, M. & Waterhouse, F. (1999) Relations between § Z Œ • [‰ ‰ Œ } Z • § } § Z] v P learningu, Highšen Eduktan‰ Œ } Z § } 37:73 t83.

Trigwell, K. & Prosser, M. (2004). Development and use of the Approaches to Teaching Inventory, Educational Rsychology Review, 14609 t424.

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Z vPU dXU >]vU ,XU v ^}vPU DX ~îìíí•X hv]À Œ•]šÇ (μοš (teaching efficacy. Innovations in Edu**c**antiand Teaching International 48, #1990.

v]v•š Œ μ u v š š Z š u • μ Œ • š Z Œ [• • v• }((() Ç) v v P and management. Access to threstrument can be found at http://u.osu.edu/hoy.17/research/instruments/

Reference: Tschanner Moran, M., & Woolfolk Hoy, A. (2001). Teacher efficacy: Capturing and elusive constructeaching and Teacher Education, 783-805.

Teacher Efficacy Sca(TES)Long Form

An 22 item instrument that measures teaching efficacy and personal efficacy. Access to the instrument can be found at http://u.osu.edu/hoy.17/research/instruments/.

Reference:t}}o(}olu X XU ~,}ÇU tX < X ~ íõõì•sætof/lefttæajæy‰ š]À š and beliefs about controllournal of Educational Psychology, 82-91.

Teacher Efficacy Scale (TES) Short Form

A 10 item instrument that measures teaching efficacy and personal efficacy. Access to the instrument can be found atttp://u.osu.edu/hoy.17/research/instruments/.

ReferenceHoy, W. K., & Woolfolk, A. E. (1990). Organizational socialization of student teachers American Educational Research Journal, 2279 300.

College Teaching Selfficacy Scale (CTSES)

This is a 51 tem general teaching selfficacy scale for college professors.

Prieto-

ReferencePrieto, L.R., AltmaierE.M. (1994). The relationship of prior training and previous teaching experience to selfficacy among graduate teaching assistants. Research in Higher Education (4), 481497.

Graduate Student Teacher Development and Self