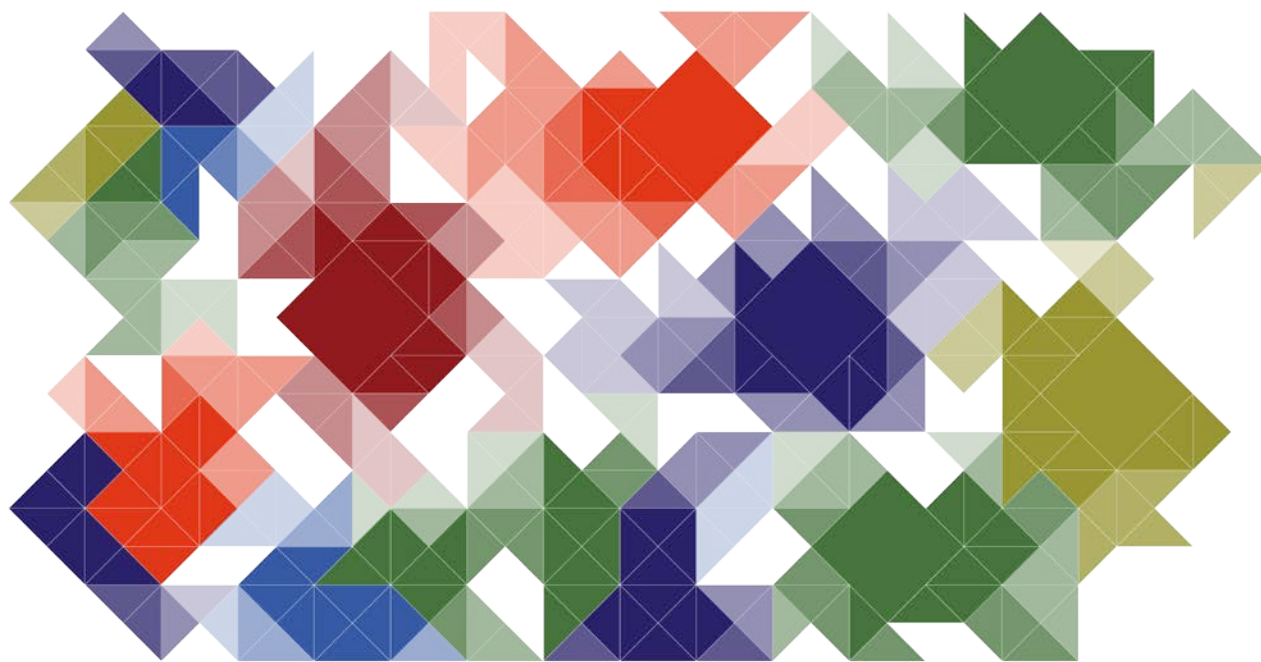




Udvalgte artikler om tværfaglighed



Publications from Interdisciplinary Education at UCPH

Katrine Lindvig, 2014

Udvalgte artikler om tværfaglighed

Udvalgte og kommenterede artikler om tværfaglighed fra det litteraturreview, som Katrine Lindvig har gennemført i forbindelse med sit ph.d.-studium.

"Interdisciplinary Education at the University of Copenhagen" is a three year project (2014-2016) within the UCPH 2016-programme.

Details about the project can be found at the website <http://www.ind.ku.dk/interdisciplinarity>.

The project focuses on strengthening interdisciplinary teaching and education at UCPH. The project pinpoints the challenges and opportunities in interdisciplinary teaching as seen from the perspective of both educators, students and the organisation. To boost the interdisciplinary teaching and education, didactic tools, courses, and consultancy services will be developed throughout the project.

The material relevant for publication developed as part of the project – reports, course design, literature reviews, articles etc. - will be published in this series.

*The series is edited by Jens Dolin and Christine Holm,
Department of Science Education, University of Copenhagen*

Publications from Interdisciplinary Education at UCPH

Download from the project website: <http://www.ind.ku.dk/interdisciplinarity>

Udvalgte artikler om tværfaglighed fra review	
Input til Metodeudvikling og meget citeret artikel	Boix Mansilla, V. & Duraisingh, E.D., 2007. Targeted Assessment of Students' Interdisciplinary Work: An Empirically Grounded Framework Proposed. <i>The Journal of Higher Education</i> , 78(2), pp.215–237. Available at: http://muse.jhu.edu.ep.fjernadgang.kb.dk/journals/journal_of_higher_education/v078/78.2boix_mansilla.html [Accessed February 10, 2014].
Input til metodeudvikling og måde at sætte tværfagligheden i centrum	Burgett, B. et al., 2011. Teaching Interdisciplinarity. <i>Pedagogy</i> , 11(3), pp.465–491. Available at: http://muse.jhu.edu.ep.fjernadgang.kb.dk/journals/pedagogy/v011/11.3.burgett.html [Accessed February 10, 2014].
Godt eksempel på relevant artikel, der handler om tværfaglige problemstillinger, men som ikke dukker op i fokuserede søgninger	Christiansen, F.V. & Rump, C., 2008. Three Conceptions of Thermodynamics: Technical Matrices in Science and Engineering. <i>Research in Science Education</i> , 38(5), pp.545–564. Available at: http://link.springer.com/article/10.1007/s11165-007-9061-x [Accessed December 16, 2013].
Spændende eksempel på et tværfagligt fag med fokus på et fælles emne i et kursus kaldet "The monsters vi make"	Drake, T. et al., 2008. It's Alive! The Life Span of an Interdisciplinary Course in the Humanities. <i>The Journal of General Education</i> , 57(4), pp.223–243. Available at: http://muse.jhu.edu.ep.fjernadgang.kb.dk/journals/journal_of_general_education/v057/57.4.drake.html [Accessed February 10, 2014].
Eksempler på udfordringer ved tværfaglig specialistkurser	Dymond, J.S. et al., 2009. Teaching synthetic biology, bioinformatics and engineering to undergraduates: The interdisciplinary build-a-genome course. <i>Genetics</i> , 181(1), pp.13–21.
Artikel med fokus på de studerendes læringsudbytte i tværfaglig undervisning	Haynes, C. & Leonard, J.B., 2010. From Surprise Parties to Mapmaking: Undergraduate Journeys toward Interdisciplinary Understanding. <i>The Journal of Higher Education</i> , 81(5), pp.645–666. Available at: http://muse.jhu.edu.ep.fjernadgang.kb.dk/journals/journal_of_higher_education/v081/81.5.haynes.html [Accessed January 17, 2014].
God baggrundsartikel med spændende eksempler på undergraduate kurser	Hothem, T., 2013. Integrated General Education and the Extent of Interdisciplinarity: The University of California-Merced's Core 1 Curriculum. <i>The Journal of General Education</i> , 62(2), pp.84–111. Available at: http://muse.jhu.edu.ep.fjernadgang.kb.dk/journals/journal_of_general_education/v062/62.2-3.hothem.html [Accessed February 10, 2014].
God dansk artikel med diskussion af forskellen på enkelt- og teamundervist tværfaglighed	Jensen, A., Troelsen, R. & Zeuner, L., 2012. Fællesskab eller individualitet - om forskning, undervisning og samarbejde i et interdisciplinært universitetsmiljø. <i>Dansk Universitetspædagogisk Tidsskrift</i> , 7(13), pp.96–105. Available at: http://ojs.statsbiblioteket.dk/index.php/dut/article/view/5708 [Accessed October 3, 2013].

Spændende diskussion af tværfaglighed og fysiske strukturers betydning	Kezar, A. & Elrod, S., 2012. Facilitating Interdisciplinary Learning: Lessons from Project Kaleidoscope. <i>Change: The Magazine of Higher Learning</i> , 44(1), pp.16–25. Available at: http://www.tandfonline.com/doi/abs/10.1080/00091383.2012.635999 [Accessed February 12, 2014].
God artikel med eksempler og diskussion af læringsudbyttet af tværfaglig uddannelse	Lattuca, L.R., Voigt, L.J. & Fath, K.Q., 2004. Does Interdisciplinarity Promote Learning?: Theoretical Support and Researchable Questions. <i>Review of Higher Education</i> , 28(1), pp.23–48.
Spændende eksempel på tværfaglighed omkring en fælles metode	Lyon, P. et al., 2013. An exploratory study of the potential learning benefits for medical students in collaborative drawing: Creativity, reflection and “critical looking.” <i>BMC Medical Education</i> , 13(1).
Tre cases af tværfaglige science forskere og diskussion af uddannelses bidrag til tværfaglighed	MacKinnon, P.J., Hine, D. & Barnard, R.T., 2013. Interdisciplinary science research and education. <i>Higher Education Research & Development</i> , 32(3), pp.407–419. Available at: http://www.tandfonline.com/doi/abs/10.1080/07294360.2012.686482 [Accessed February 17, 2014].
Input til Metodeudvikling	Mansilla, V.B. et al., 2009. Targeted Assessment Rubric: An Empirically Grounded Rubric for Interdisciplinary Writing. <i>The Journal of Higher Education</i> , 80(3), pp.334–353. Available at: http://muse.jhu.edu.ep.fjernadgang.kb.dk/journals/journal_of_higher_education/v080/80.3.mansilla.html [Accessed February 10, 2014].
Eksempel på tværfaglige kurser og logistikken omkring dem	McKendrick, J.H. & Mooney, E., 2001. Teaching geography to non-geographers at Glasgow Caledonian University. <i>Journal of Geography in Higher Education</i> , 25(2), pp.249–260.
Input til Metodeudvikling	Nikitina, S., 2006. Three strategies for interdisciplinary teaching: Contextualizing, conceptualizing, and problem-centring. <i>Journal of Curriculum Studies</i> , 38(3), pp.251–271.
Input til Metodeudvikling	Nowacek, R.S., 2005. A Discourse-Based Theory of Interdisciplinary Connections. <i>The Journal of General Education</i> , 54(3), pp.171–195. Available at: http://muse.jhu.edu.ep.fjernadgang.kb.dk/journals/journal_of_general_education/v054/54.3nowacek.html [Accessed February 10, 2014].
Input til Metodeudvikling	Nowacek, R.S., 2007. Toward a Theory of Interdisciplinary Connections: A Classroom Study of Talk and Text. <i>Research in the Teaching of English</i> , 41(4), pp.368–401.
Diskussion af tværfagligt pensum og ansvaret for den faglige integration	Orillion, M.-F., 2009. Interdisciplinary Curriculum and Student Outcomes: The Case of a General Education Course at a Research University. <i>The Journal of General Education</i> , 58(1), pp.1–18. Available at: http://muse.jhu.edu.ep.fjernadgang.kb.dk/journals/journal_of_general_education/v058/58.1.orillion.html [Accessed February 10, 2014].

<p>Input til Metodeudvikling og relevant ift. Discussion om kollegasparring</p>	<p>Perry, B. & Stewart, T., 2005. Insights into effective partnership in interdisciplinary team teaching. <i>System</i>, 33(4), pp.563–573. Available at: http://www.sciencedirect.com/science/article/pii/S0346251X05000655 [Accessed February 10, 2014].</p>
<p>Input til Metodeudvikling</p>	<p>Remington-Doucette, S.M. et al., 2013. Assessing sustainability education in a transdisciplinary undergraduate course focused on real-world problem solving: A case for disciplinary grounding. <i>International Journal of Sustainability in Higher Education</i>, 14(4), pp.404–433.</p>
<p>Input til Metodeudvikling og diskussion af integreringen af fag</p>	<p>Strain, M.M. & Potter, R., 2012. The Twain Shall Meet: Rethinking the Introduction to Graduate Studies Course as Interdisciplinary Pedagogy. <i>Pedagogy</i>, 12(1), pp.139–160. Available at: http://muse.jhu.edu.ep.fjernadgang.kb.dk/journals/pedagogy/v012/12.1.strain.html [Accessed February 10, 2014].</p>
<p>God oversigtsartikel, der diskuterer muligt indhold i et Interdisciplinary research kursus, relevant for alle studerende</p>	<p>Szostak, Rick. "How and Why to Teach Interdisciplinary Research Practice." <i>Journal of Research Practice</i> 3, no. 2 (October 11, 2007): Article M17.</p>