

PETER ANTHAMATTEN

Department of Geography and Environmental Sciences  
University of Colorado Denver  
Auraria Campus, North Classroom Building, Room 5030-B  
Campus Box 172; PO Box 173364  
Denver, CO 80217-3364

**EDUCATION**

- Doctor of Philosophy: Geography**  
(emphasis in medical geography and nutrition)  
2002-2007 University of Minnesota (Minneapolis, MN)  
Dissertation: *Childhood Malnutrition in Bolivia: An Examination of Associations with Individual, Household, and Contextual Variables*
- Master of Public Health: Environmental Health**  
(emphasis in environmental epidemiology)  
1998-2002 University of Minnesota (Minneapolis, MN)  
Thesis: *An Investigation of Uncertainty in Environmental Dispersion Models: Assessing Exposure to Vermiculite in Northeast Minneapolis*
- Master of Arts: Geography**  
(emphasis in health and spatial analysis)  
1997-2001 University of Minnesota (Minneapolis, MN)
- Bachelor of Arts, *summa cum laude* with honors**  
**Geography, Political Science, and German; minor in Psychology**  
1992-1997 University of Missouri (Columbia, MO)

**PROFESSIONAL EXPERIENCE**

- Assistant Professor**  
Department of Geography and Environmental Sciences  
Denver, CO
- 2008 - present **Affiliated faculty** with the College of Architecture and Planning (2013-present)  
University of Colorado Denver. Denver, CO, USA
- Affiliated faculty** with the Health and Wellness Center (2013-present)  
Anschutz Medical Campus, University of Colorado Denver. Aurora, CO, USA
- Post-Doctoral Research Fellow**  
2007 - 2008 New York Center for Geographic Education  
CUNY—Hunter. New York, NY, USA

- Research Assistant**  
2004 - 2007 Teaching Geography project  
University of Minnesota—Twin Cities. Minneapolis, MN, USA
- Research Assistant / Visualization Specialist**  
2004 - 2005 Department of Geography  
University of Minnesota—Twin Cities. Minneapolis, MN, USA
- Instructor**  
2005 Department of Geography  
University of Minnesota—Twin Cities. Minneapolis, MN, USA
- Information Technology Fellow**  
2002 - 2004 Department of Geography  
University of Minnesota—Twin Cities. Minneapolis, MN, USA
- Senior Cartographer**  
1998 - 2004 *ArgWorld* project, Association of American Geographers  
University of Minnesota—Twin Cities. Minneapolis, MN, USA
- Research Intern**  
2000 - 2001 Environmental Health Division  
Minnesota Department of Public Health, St. Paul, MN, USA
- Research Intern**  
2000 Ministerio de Salud de Costa Rica and UNICEF  
San José, Costa Rica
- Teaching Assistant**  
1998 - 1999 Department of Geography  
University of Minnesota—Twin Cities. Minneapolis, MN, USA
- Instructor**  
1993 - 1995 (summers) Sommerschule für Englisch.  
Wust, Sachsen-Anhalt, Germany

## **REFEREED PUBLICATIONS**

Harmon, B., Nigg, C., Long, C., Amato, K., Anwar, M., Kutchman, E., **Anthamatten, P.**, Browning, R., Brink, L., and Hill, J. (in press) What Matters When Children Play: Influence of Social Cognitive Theory and Perceived Environment on Levels of Physical Activity Among Hispanic and Non-Hispanic Youth. *Psychology of Sport and Exercise*.

Root, E., Lucero, M., Nohynek, H., **Anthamatten, P.**, Thomas, D., Tallo, V., Tanskanen, A., Quiambo, B., Puumalainen, T., Lupisan, S., Ruutu, P., Ladesma, E., Williams, G., Riley, I., and E. Simões. (in press) Distance to health services affects local-level vaccine efficacy for pneumococcal conjugate vaccine (PCV) among rural Filipino children. *Proceedings of the National Academy of Sciences*.

Smolinski, S.\*, **Anthamatten, P.**, Bruederle, L., Barbour, J., Chambers, F. An analysis of the impact of water diversions on mountain pine beetle infestation of lodgepole pine. (in press, pending minor revisions) *Journal of Environmental Management*.

**Anthamatten, P.**, & Hazen, H. (2015; in press). Changes in the Global Distribution of Protected Areas, 2003 to 2012. *Professional Geographer*.

**Anthamatten, P.**, Fiene, E.\*, Kutchman\*, E., Mainar, M.\*, Brink, L., Browning, R., & Nigg, C. (2014; in press). A Microgeographic Analysis of Physical Activity Behavior within Elementary School Grounds. *American Journal of Health Promotion*. (PMID: 23971525; doi: 10.4278/ajhp.121116-QUAN-566).

**Anthamatten, P.**, Brink, L., Kingston, B., Kutchman, E.\*, Lampe, S. & Nigg, C. (2014; in press). An Assessment of Schoolyard Features and Behavior Patterns in Children's Utilization and Physical Activity. *Journal of Physical Activity & Health*. 11(3). (PMID: 23416457)

Wee, B. and **Anthamatten, P.** (2014; in press). Using photography to visualize children's culture of play: A socio-spatial perspective. *Geographical Review*.

Nikoi, E. and **Anthamatten, P.** (2014). Childhood anemia in Ghana: an examination of associated socioeconomic and health factors. *African Geographical Review*. 33(1): 19-35 (doi: 10.1080/19376812.2013.838688)

Tinker, M.\*, **Anthamatten, P.**, Simley, J., & Finn, M. (2013). Method to generalize NHDPlus flowlines to small scale maps by a variable flow-based pruning threshold. *Cartography and Geographic Information Science*. 40(5): 444-457. (doi: 10.1080/15230406.2013.801701).

Wee, B., DePierre, A., **Anthamatten, P.**, & Barbour, J. (2013). Visual methodology as a pedagogical research tool in geography education. *Journal of Geography in Higher Education*. 37(2): 164-173. (doi: 10.1080/03098265.2013.775568).

**Anthamatten, P.,** B. S.C. Wee & Korris, E.\*. (2013). Exploring children's perceptions of play using visual methodologies. *Health Education Journal*, 72 (3): 309-318. (doi: 10.1177/0017896912443119).

Nikoi, E. & **Anthamatten, P.** (2013). An examination of environmental correlates with childhood height-for-age in Ghana. *Public Health Nutrition*, 16 (1): 46-53. (doi: 10.1017/S1368980012001346).

**Anthamatten, P.,** L. Brink, S. Lampe, E. Greenwood\*, B. Kingston & Nigg, C. (2011). An assessment of schoolyard renovation strategies to encourage children's physical activity. *International Journal of Behavioral Nutrition and Physical Activity*, 8 (27): 1-9. (doi: 10.1186/1479-5868-8-27).

**Anthamatten, P.** (2010). Spatial Thinking Concepts in Early Grade-Level Geography Standards. *Journal of Geography*, 109, 169-180. (doi: 10.1080/00221341.2010.498898).

**Anthamatten, P.** (2009). On building the bridge between research and teaching practice: spatial thinking concepts in geography standards in the United States and England. *Research in Geographic Education*, 11, 94-114.

Wee, B. & **P. Anthamatten.** (2009). Exploring the Child's Reality via Self-Selected Images: The Use of Photography in the Science Classroom. *Hoosier Science Teacher*, 34, 114-120.

Hazen, H. & **P. Anthamatten.** (2007). Unnatural selection: An analysis of the ecological representativeness of natural world heritage sites. *Professional Geographer*, 59, 256-268. (doi:10.1111/j.1467-9272.2007.00611.x).

**Anthamatten, P.** & Ziegler, S. (2006). Teaching geography with 3-D visualization technology. *Journal of Geography*, 105, 231-237. (doi: 10.1080/00221340608978692).

Hazen, H. D. & **Anthamatten, P.** (2004). Representation of ecological regions by protected areas at the global scale. *Physical Geography*, 25, 499-512. (doi: 10.2747/0272-3646.25.6.499).

**Anthamatten, P.** (2004). State geography standards in 2004. *Journal of Geography*, 103, 182-184. (doi: 10.1080/00221340408978596).

**Anthamatten, P.,** E. L. Kinman & Weil, C. (2004). Choropleth Mapping: Population in Bolivia. *Scholarship for Teaching: Case Studies in Latin American Geography*, 1.

\*students under my advisement

### **PEER REVIEWED BOOKS and CHAPTERS**

**Anthamatten, P.** & H. Hazen. 2011. *An Introduction to the Geography of Health*. London / New York: Routledge. (ISBN: 978-0-415-49806-7).

### **PUBLISHED ABSTRACTS from REFEREED CONFERENCES**

Amato, K., Zhang, G., Anwar, M.M., Kutchman, E., **Anthamatten, P.**, Schaefer, C.A., Browning, R.C., Brink, L.A., Hill, J.O., & Nigg, C.R. (2013). If you build it, they will play: examining gender differences in physical activity on structured and unstructured schoolyard areas. *Annals of Behavioral Medicine*, 45, S138.

Anwar, M.M., Amato, K., Zhang, G., Kutchman, E., **Anthamatten, P.**, Schaefer, C.A., Browning, R.C., Brink, L.A., Hill, J.O., & Nigg, C.R. (2013). Does more make more? Single purpose versus multi-purpose schoolyard areas and elementary school children's physical activity. *Annals of Behavioral Medicine*, 45, S184.

Wee, M. and **Anthamatten, P.** May 1, 2010. Exploring Children's Perceptions of Physical Activity Patterns in Schools and Local Communities. 2010, In American Educational Research Association (Ed.), *Understanding Complex Ecologies in a Changing World*, online paper repository, available at <http://www.area.net>.

### **INVITED PUBLICATIONS**

**Anthamatten, P.** (in press; 2014). Geography and Health. In Naidoo, J. and J. Willis. *Health Studies: An Introduction, 3<sup>rd</sup> edition*. Basingstoke: Palgrave MacMillan

**Anthamatten, P.** & H. Hazen. 2011. *An Introduction to the Geography of Health Interactive Atlas*. Routledge.

**Anthamatten, P.**, C. A. Gersmehl & P. Gersmehl. 2010. *Atlas of the Erie Canal*. New York: New York Geographic Alliance.

Gersmehl, P. & **P. Anthamatten**. 2009. *Teaching Geography Interactive CD-ROM*. New York: Guilford Press.

**Anthamatten, P.** & D. Napton. 2008. Sources of Geographic Information for Teachers. In *Teaching Geography*, ed. P. Gersmehl. New York: Guilford Press.

Association of American Geographers. 2003. *ArgWorld CD*. Holt-Reinhardt. (contributing author, senior cartographer, photographer, and programmer).

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Association of American Geographers. 2003. *ArgWorld Written Activities*. Holt-Reinhardt. (contributing author and senior cartographer).

**Anthamatten, P.** 2002. *A study of iodine deficiency in Costa Rica*. San Jose, Costa Rica: Ministerio de Salud de Costa Rica.

### **CARTOGRAPHIC CONTRIBUTIONS to OTHER WORK**

Simon, G. & Dooling, S. 2013. Flame and fortune in California: The material and political dimensions of vulnerability. *Global Environmental Change*. [five maps]

Agee, C. (in press). *The Streets of San Francisco: Blacks, Beats, Gays, and the San Francisco Police Department, 1950-71*. [one map]

Paris, J. W. & R. E. Anderson. 2001. Faith-based queer space in Washington DC: the Metropolitan Community Church-DC and Mount Vernon Square. *Gender, Place, and Culture*, 8. [one map]

### **PUBLICATIONS in PROGRESS**

*(in review)*

Nigg, C., Amato, K., Browning, R., Schafer, C., Steffen, A., Anwar, M., Lampe, S., Kutchman, E., Brunner, B., Bensman, L., **Anthamatten, P.**, Brink, L., Hill, J. Investigating the Effects of Renovating Schoolyards on Children's Physical Activity: Three Lines of Evidence. (in review after after requested major revision)

Kutchman, E., Mainar, M., **Anthamatten, P.**, Fiene, E., Brink, L., Hill, J., and Nigg, C. Addressing the Obesity Epidemic through Environmental Modification and Curriculum Intervention during Recess: A Process Evaluation. (in review).

*(in revision after review)*

*(in preparation)*

Thomas, D., **Anthamatten, P.**, Root, E., Nohynek, H., Lucero, M., Tallo, M., Tallo, V. Puumalainen, T., Ruutu, P., Quiambo, B., Ladesma, E., Lupisan, S., Riley, I., and Simoes, E. Geographic Patterns of Pneumonia among Children in Bohol, Philippines.

## **REFEREED PRESENTATIONS / POSTERS at MEETINGS**

Nigg, C., Hill, J., Browning, R., Brink, L., Kutchman, E., Amato, K., Schaefer, C., Mahabub-Ul, A., Zhang, G., and **Anthamatten, P.** (2014). Intervention for Physical Activity for Youth (IPLAY):Elementary schoolyard environment and recess intervention effects on children's physical activity. May 23, 2014. *International Society for Behavioral Nutrition and Physical Activity Annual Meeting.*

Zhang, G., Mahabub-Ul, A., Amato, K., Kutchman, K., Schaefer, C., Browning, R., Brink, L., Hill, J., **Anthamatten, P.**, and Nigg, C. (2014). The association between self-reported and objectively-measured physical activity for elementary school children: Are there gender differences? May 22, 2014. *International Society for Behavioral Nutrition and Physical Activity Annual Meeting.*

Kutchman, E., **Anthamatten, P.**, and Brink, L. What's wrong with recess? Fact vs. Fiction. March 9, 2014. *Active Living Research, Annual 2014 Conference.* San Diego, CA.

**Anthamatten, P.** and Garcia, M. 3-D for Teaching: Stereoscopic Visualization in Geography Classrooms. August 2, 2013. *98<sup>th</sup> Annual Meeting of the National Council for Geographic Education.* Denver, CO.

**Anthamatten, P.**, Fiene, E., Kutchman, E., Mainar, M., Brink, L., Browning, R., & Nigg, C. July 8 – July 12, 2013. An Investigation of Min-geographies of play: Analysis of Physical Activity Behavior. *XV<sup>th</sup> International Medical Geography Symposium.* East Lansing, MI.

Anwar, M., Amato, K., Zhang, G., Kutchman, E., **Anthamatten, P.**, Schaefer, C., Browning, R., Brink, L., Hill, J., and Nigg, C. March 22, 2013. Does More Make More? Single Purpose versus Multi-Purpose Schoolyard Areas and Elementary School Children's Physical Activity. *34<sup>th</sup> Annual Meeting and Scientific Sessions of the Society of Behavioral Medicine.* San Francisco, CA.

Kutchman, E.; **Anthamatten, P.**; Beckman, K., Browning, R.; Hill, J.; Lampe, S.; Mainar, M.; Nigg, C.; Shaefer, C.; and Brink, L. March 8, 2012. An examination of the impact of recess curriculum along with playground renovations on increasing moderate to vigorous physical activity levels in elementary school children: The IPLAY study. *Active Living Research Conference.* San Diego, California.

**Anthamatten, P.** July 3 – July 8, 2011. (representative for the USA panel at the international cartography exhibition) An Interactive Atlas for the Geography of Health. *25<sup>th</sup> International Cartographic Conference.* Paris, France.

Wilford, D. and **Anthamatten P.** September 28, 2009. *Designing an Atlas for Public Health for Colorado.* Public Health in the Rockies 2009 Conference, Copper Mountain, Colorado.

**Anthamatten, P.** August 13, 2009. *Exploring 3-D Technology in the Classroom: Considerations from Geography*. Colorado Learning and Teaching with Technology Conference, Boulder, Colorado.

### **PRESENTATIONS at NON-REFEREED MEETINGS**

**Anthamatten, P.** ; Fiene, E.; Kutchman, E.; Mainar, M.; Brink, L.; Browning, R.; and Nigg, C. November 20, 2013. *An Investigation of Min-geographies of play: Analysis of Physical Activity Behavior*. City and County of Denver, GIS Day 2013: "Past, Present and Future of GIS", Denver, CO.

Hazen, H. and **Anthamatten, P.** April 13, 2013. *Change in Global Distribution of Protected Areas, 2003 to 2012*. Annual Meeting of the Association of American Geographers, Los Angeles, California.

**Anthamatten, P.;** Fiene, E.; Brink, L.; Browning, R.; Kutchman, E.; Mainar, M.; and Nigg, C. April 11, 2013. *Microgeographies of Play: An Analysis of Physical Activity Behavior on Elementary School Grounds*. Annual Meeting of the Association of American Geographers, Los Angeles, California.

Root, E.; **Anthamatten, P.;** Thomas, D.; Nohyek, H.; Lucero, M; Tanskanen, A.; Nillos, L.; Tallo, V.; and Simoes, E. April 11, 2013. *The Effect of Distance on the Efficacy of an 11-Valent Pneumococcal Conjugate Vaccine in the Philippines*. Annual Meeting of the Association of American Geographers, Los Angeles, California.

**Anthamatten, P.** and Nikoi, E. February 26, 2012. *An examination of environmental correlates with childhood stunting in Ghana*. Annual Meeting of the Association of American Geographers, New York, New York.

**Anthamatten, P.** October 7, 2011. *Exploring Landscapes of Play: A Geographic Analysis of Behavior Patterns in Schoolyards*. Association of American Geographers Great Plains / Rocky Mountain Division Annual Conference, Denver, Colorado.

Abdilla, J., Wiggins, M., **Anthamatten, P.**, and G. Simon. October 7, 2011. *An Exploratory Analysis of Conservation Trends and Private Easements in Jefferson County, Colorado*. Association of American Geographers Great Plains / Rocky Mountain Division Annual Conference, Denver, Colorado.

**Anthamatten, P.**, Wee, B., and Allen, C. April 29, 2011. *Experiential Learning in Geography*. Experiential Learning Showcase and Celebration, Denver, Colorado.



**Anthamatten, P.**, Wee, B., and Korris, E. April 13, 2011. *Exploring Children's Perceptions of Physical Activity and the Environment*. Annual Meeting of the Association of American Geographers, Seattle, Washington.

Zamora, F., and **Anthamatten, P.** October 9, 2010. *Exploring Landslide Risk Monitoring with GIS*. Association of American Geographers Great Plains / Rocky Mountain Divisional Conference, Lawrence, Kansas.

Korris, E., **Anthamatten, P.**, and Wee, B. October 9, 2010. *Exploring Children's Perceptions of Physical Activity Patterns in Schools and Local Communities*. Association of American Geographers Great Plains / Rocky Mountain Division Regional Conference, Lawrence, Kansas.

**Anthamatten, P.** and Tinker, M. September 14, 2010. *Assessment of the Global Representativeness of World Heritage Sites in 2010*. GIS in the Rockies, Loveland, Colorado.

**Anthamatten, P.** and Tinker, M. July 12, 2010. *An Assessment of Global Representativeness of World Heritage Sites in 2010*. ESRI International User Conference, San Diego, California.

**Anthamatten, P.** April 18, 2010. *Assessing Urban Design Strategies to Encourage Childhood Activity*. Annual Meeting of the Association of American Geographers, Washington D.C.

**Anthamatten, P.** March 26, 2009. *Exploring the Applicability of research on spatial thinking to college-level instruction*. Annual Meeting of the Association of American Geographers, Las Vegas, Nevada.

**Anthamatten, P.** March 24, 2009. *An Evaluation of Spatial Thinking Skills in K-4 Curriculum Standards in the United States*. Annual Association of American Geographers, Las Vegas, Nevada.

**Anthamatten, P.** March 23, 2009. *US-UK Perspectives on Geographical Education Research*. Annual Association of American Geographers, Las Vegas, Nevada.

**Anthamatten, P.** April 17, 2008. *An Analysis of Environmental Factors in Childhood Nutrition Status in Bolivia*. Annual Association of American Geographers, Boston, Massachusetts.

Kees, E., **Anthamatten, P.**, and Ziegler, S. April 18, 2007. *Integrating Three-Dimensional Visualization in Geography Education*. Annual Meeting of the Association of American Geographers, San Francisco, California.

Hazen, H. and **Anthamatten, P.** March 10, 2006. *Representation of Ecological Regions by Protected Areas at the Global Scale*. Annual Meeting of the Association of American Geographers, Chicago, Illinois.

Peter Anthamatten

**Anthamatten, P.** October 18, 2002. *Iodine Deficiency in Costa Rica*. Association of American Geographers Great Lakes Division Regional Conference, Minneapolis, Minnesota.

### **INVITED SEMINARS / WORKSHOPS PRESENTED**

*(Conferences outside of UC Denver, Downtown Campus)*

Scholz, M., Brysch, C., Mitchell, J., Huyn, N., and **Anthamatten, P.** August 3, 2013. *Collaborating on Publications: Experiences of Graduate Students and Early Career Researchers*. 98<sup>th</sup> Annual Meeting of the National Council for Geographic Education. Denver, CO.

**Anthamatten, P.** October 5, 2012. *Plenary Panel: The Natural Environment, Your Health, and How We Measure Both*. Culture of Data Conference: Data to Grow On, Cultivating the Relationship between Social, Natural, and Built Environments. Arvada, CO.

**Anthamatten, P.** May 19, 2011. *Spatial Thinking Concepts in Early Grade-Level Geography Standards*. 2011 Biannual Grosvenor Center Conference on Research in Geographic Education, Lafayette, LA.

Thomas, D. and **Anthamatten, P.** May 7, 2010. *Geographic Information Systems (GIS) as a Tool for Examining Health Disparities*. 2010 Annual Health Disparities Equity Conference, Aurora, Colorado.

**Anthamatten, P.** April 18, 2008. *Spatial Thinking Research and Applications for Teaching Social Studies*. Quarterly Meeting of the Community Learning Support Organization, New York Public Schools, New York, New York.

**Anthamatten, P.** October 19, 2007. *Using Geographic Information Systems to Enhance Learning: An Introduction*. Quarterly Meeting of the Community Learning Support Organization, New York Public Schools, New York, New York.

*(Colloquia and seminars outside of UC Denver)*

**Anthamatten P.** November 21, 2013. *GIS Applications in Public Health: an Overview*. Department of Public Health Studies Colloquium, University of Hawaii Manoa. Honolulu, HI.

**Anthamatten, P.** June 16, 2011. *Geographies of Obesity in Colorado, USA*. Chungbuk National University Department of Geography and Education Colloquium. Chungju, South Korea.

**Anthamatten, P.** April 21, 2011. *Exploring Links Between Childhood Obesity and the Built Environment in Denver: Geographic Approaches*. Denver University, Department of Geography Spring Colloquium, Denver, CO.

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**Anthamatten, P.** February 19, 2010. *Exploring Geographies of Childhood Obesity*. Colorado Health GIS User Group, Denver, Colorado.

**Anthamatten, P.** and Wee, B. January 29, 2010. *On Geographic Approaches to Obesity: Examining Children's Physical Activity in Denver*. UCCS Department of Geography and Environmental Studies Colloquium Series, University of Colorado – Colorado Springs, Colorado Springs, Colorado.

*(Colloquia, seminars, and invited classroom presentations within UC Denver)*

**Anthamatten, P.** November 12, 2013. *Geographic Information Systems (GIS) in Environmental Health Research*. Guest Lecture for Environmental Health Course, University of Colorado Denver, Denver, CO.

**Anthamatten, P.,** Brink, L., Browning, R., Fiene, E., Kutchman, E., Mainar, M., and Nigg, C. May 16, 2013. *An Overview of Translational Research in the "Microgeography" of Denver's Schoolgrounds*. UC Denver Public Health Built Environment Group, University of Colorado Denver, Denver, CO.

**Anthamatten, P.,** Brink, L., Lampe, S., Greenwood, E., Kingston, B. and Nigg, C. February 25, 2011. *A Geographic Assessment of Urban Design Strategies to Encourage Schoolyard Use*. University of Colorado Denver, Anschutz Medical Campus Fourth Annual Donor Recognition Dinner, Denver, CO.

**Anthamatten, P.** October 12 and 14, 2010. *Geographic Information Systems (GIS) and Public Health*. Guest Lecture for Community Health Course, University of Colorado Denver, Denver, CO.

**Anthamatten, P.** March 10, 2010. *The Geography of Health*. Guest Lecture for Population Geography Course, University of Colorado Denver, Denver, Colorado.

## **COURSES TAUGHT**

Additional details are provided; descriptions from the university course catalogs are in quotations. Substantially revised or new courses at UC Denver are indicated with asterisks.

\*Substantially revised courses

\*\*New courses

### **GIS Applications in the Health Sciences (3x) (Geography 4235 / 5235)**

This is an upper-level undergraduate and graduate-level computer-lab based course that satisfies part of the requirement for the GIS certificate.

*“Examines how GIS is used throughout the health care industry and public health. Covers environmental health, disease surveillance, and health services research. Students critically review current literature and gain hands-on experience with GIS software.”*

**Introduction to Cartography and Computer Mapping (1x) (Geography 3080)**

This computer-lab based course was discontinued after 2008 and transformed into 2080, Introduction to Mapping and Map Analysis.

*This course, listed as Geography 3080, was a broad introduction to cartography and GIS. This course was discontinued as part of the work to reorganize geospatial technology and analysis curriculum. The current course with the same title, but listed as Geography 4081, focuses on cartographic theory and practice.*

**\*\*Introduction to Cartography and Computer Mapping (5x) (Geography 4081 / 5081)**

An upper-level undergraduate and graduate-level computer-lab based course that satisfies part of the requirement for the GIS certificate. I designed and developed this new course which was first offered in 2009.

*“Provides an introduction to the art and science of cartography (map making). Students will learn about design principles, tools and techniques of map production, culminating in the creation of a high-quality map through hands-on exercises.*

**Introduction to Geographic Information Systems (2x) (Geography 4080 / 5080)**

An upper-level undergraduate and graduate-level computer-lab based course that is required for the GIS certificate and for some geography majors.

*“Introduces various aspects of geographic information systems (GIS), including justification, definition of hardware/software, database design, and data conversion. GIS is a computer-based mapping system providing a graphical interface to locational and relational attribute data on facilities and land. Includes hands-on use of a geographic information system workstation.”*

**\*\*Introduction to Geography of Health (3x) (Geography 3501)**

An upper-level undergraduate course that satisfies part of the requirement for the demography minor and public health major, administered by the Department of Health and Behavioral Sciences. I designed and developed this new course, which was first offered in 2010.

*“Offers a critical geographic perspective to human health issues, examining disease distributions, how changing relationships between people and their environments (natural,*

*built, and social environments) influence health, and different approaches to the study of health in geography.”*

**\* Introduction to Mapping and Map Analysis (3x) (Geography 2080)**

This course is a substantial revision of a previously-taught course. In contrast to its predecessor, this course is not taught in a computer-lab, but rather in a traditional lecture format. This is a large course required of all geography majors.

*“Studies major elements in the preparation of thematic maps, including sources of data collection and manipulation of data, and cartographic techniques for display of data.”*

**\* Introduction to Environmental Health (2x) (Public Health 2020)**

This course is part of the UC Denver public health undergraduate program. I was invited to serve as the UC Denver representative for this course, which is taught both by a UC Denver (downtown) and Anschutz School of Public Health faculty.

*“This introductory survey course focuses on the human health implications of environmental exposures. Topics include pathways of exposure, toxicology, risk assessment, regulations, and policy development. Additionally, environmental equity, ethics, globalization, international perspectives, climate change, sustainability, and activism are considered.”*

**University of Minnesota**

**Mapping Our World (Geography 1502)**

*“Fundamental issues related to acquisition, storage, manipulation, analysis, display, and interpretation of spatially- referenced data. Emphasizes mathematical analysis of data, interpretation of cultural/physical patterns critical to development of geographical reasoning.”*

**SERVICE**

**To Departmental Unit**

F2013 - present	Chair of GES Subcommittee for Undergraduate Curriculum Assessment
F2011 - present	Chair of the GES Subcommittee for Geographic Information Science
F2011 - present	Coordinator and advisor to the GES Undergraduate Certificate in GIS
F2011 - present	GES Website Development Committee
S2011 - S2012	Coordinator of the UC Denver GES Student Colloquium

Peter Anthamatten

- F2011 - S2013 Member of the GES MA Proposal Committee
- F2011 Coach of the UC Denver GeoBowl Team
- F2010- S2012 Member of the GES By-Laws Subcommittee
- S2009 Master of Science in Environmental Science (MSES) Admissions Committee
- F2008 - S2009 Member of the GES Hiring Committee for 2009 GES Faculty Hire

### **To College**

- F2013 - S2014 Member of CLAS Budget Priorities Committee
- F2011 - S2013 Member of the CLAS Academic Standards Committee
- F2010 - S2012 Member of the CLAS Scholarship Committee
- F2008 - S2009 GES representative to the College of Liberal Arts and Science Council

### **To Denver Campus / University of Colorado Denver**

- S2014 – F2014 Academic Program Prioritization Committee
- F2013 - S2014 CLAS Representative to the UC Denver Budget Priorities Committee
- S2013 Faculty judge at the 2013 UC Denver Research and Creative Activities Symposium
- S2013 *Ex-officio* member of College of Architecture and Planning Hiring Committee (for three faculty hires)
- F2012 - S2014 Department liaison / coordinator for the Transfer Evaluation System (TES) implementation
- S2012 Member of the UC Denver Mentorship Awards Committee
- F2009 - S2012 Faculty advisor to the student group, *Auraria Students for the Human Treatment of Animals (ASHTA)*.

### **To the Profession**

- F2014 - F2016 Treasurer of the National Council for Geographic Education (nominated, currently pending electoral approval)
- F2010 - S2014 Secretary / Treasurer of the Cartography Specialty Group of the Association of American Geographers (elected, two terms).
- 2012 - 2013 Member (one terms) and chair (one term) of the *Journal of Geography Awards Committee* for the National Council for Geographic Education

Peter Anthamatten

- (NCGE).
- 2011 - 2012 Judge (two terms) of the Association of American Geographers Graduate Student Cartography Paper Competition
- F2011 Judge (one term) of the Association of American Geographers Rocky Mountain Division Student Paper Competition
- F2011 Reviewer for the 2011 FOSS4G global conference on Free and Open Source Software for Geospatial Conference in Denver, CO.
- 2007- 2010 Member (two terms) and chair (one term) of the *Geographic Education and Media Task Force* for the National Council for Geographic Education (NCGE)

### **To the Community**

- 2012 Guest speaker (twice) at *Campbell Elementary* school in Arvada Colorado on "What is Geography?"
- 2011 Volunteer judge at a Denver school science fair
- 2010, 2011 Volunteer judge (twice) at the State of Colorado National Geographic Society Geography Bee
- 2008 - 2009 Volunteer consultant / member of a Denver Public Schools committee to develop assessment materials for high school geography students.
- 2009 Judge at local high school debate tournaments

### **SERVICE as PEER-REVIEWER for SCHOLARLY JOURNALS and GRANT PROPOSALS**

2014 (3): *Professional Geographer; PLOS ONE, Social Science and Medicine*

2013 (12): *American Journal of Public Health; BMC Public Health (2x); Geographical Review; Journal of Geography; Journal of Physical Activity and Health; National Science Foundation Social Science Program; PLOS ONE; Social Science and Medicine (4x)*

2012 (6): *American Journal of Public Health; Geographical Review; Journal of Physical Activity and Health (2x); Journal of Public Health Management and Practice; Professional Geographer*

2011(3): *Applied Geography; Children, Youth, and Environments (CYE); Journal of Geography*

2010 (1): *Journal of Geography*

2009 (1): *The Professional Geographer*

## **RECOGNITION and HONORS**

2014	CU Denver Downtown Denver Faculty Assembly Award
2014	College of Liberal Arts and Sciences Nominee for the University of Colorado Denver Annual Award for Excellence in Research/Creative Activities
2013	<i>An Introduction to the Geography of Health Interactive Atlas</i> selected as one of the primary displays for the Auraria Campus Library <i>Discovery Wall</i> .
2011	Best Article for Program Development 2010, National Council for Geographic Education
2010	ESRI Special Achievement Award (with others; for work in multi-media cartography)

## **MEMBERSHIP in PROFESSIONAL ORGANIZATIONS**

- Association of American Geographers (AAG)
- Council on Undergraduate Research (CURA)
- National Council for Geographic Education (NCGE)
- Spatial Intelligence Learning Center (SILC)

## **GRANTS and CONTRACTS**

	A Proposal to Investigate Mini-geographies of Play: Utilizing Recent Technological Innovations to Study Children's Physical Activity Behavior on School Playgrounds.
	<b>Funded by:</b> UC Denver College of Liberal Arts and Science (CLAS)
2013-2014	<b>Role:</b> PI
	<b>Amount:</b> \$8,250
	<b>Summary:</b> The purpose of the requested funds was to facilitate the production of an NIH R01 grant on the topic of evaluating the link between playground spaces and children's physical activity behavior.
	<b>Obesity in Colorado: A New System for Monitoring and Tracking Interventions</b>
	<b>Funded by:</b> Kaiser Permanente
	<b>Role:</b> Shared PI (with Deb Thomas)
2012- 2014	<b>Amount:</b> \$175,621
	<b>Summary:</b> This project is part of a multi-institution collaboration (including the Colorado Health Foundation, Children's Hospital, and the Anschutz Medical Campus) to establish an eight-county wide obesity monitoring system in Colorado for a variety of applied and research objectives.



- Bringing 3-D to UCD: Stereoscopic Visualization at the University of Colorado Denver**  
**Role:** PI  
**Funded by:** UC Denver College of Liberal Arts and Science (CLAS)  
**Amount:** \$5,000  
2012- 2013 **Summary:** The purpose of this project is to 1) use the 3-D visualization technology to enrich existing curriculum, starting with *Geography 4081: Cartography and Computer Mapping* and geology classes offered by GES; 2) to enable students studying cartography and other geospatial disciplines to utilize the equipment for their own projects; and 3) to enable some basic classroom research on the educational benefits of the classroom applications of this technology
- Deployment of GIS Web Services to Support Hospital Disaster Planning Professionals For Addressing Vulnerable Populations**  
**Funded by:** Undergraduate Research Opportunity Program, University of Colorado Denver  
2012- 2013 **Role:** Faculty Co-sponsor / Co-advisor (with colleague Deb Thomas)  
**Amount:** \$1000  
**Summary:** Undergraduate student funding for scholarly research involving faculty collaborations with students
- Putting Community Gardens on the Map: Assessing the Food Production Potential of Denver's Community Gardens & Recommendations for Policy**  
**Funded by:** Undergraduate Research Opportunity Program, University of Colorado Denver  
2011- 2012 **Role:** Faculty Sponsor / Advisor  
**Amount:** \$1000  
**Summary:** Undergraduate student funding for scholarly research involving faculty collaborations with students
- Trends and Implications of Private Conservation Easements in Jefferson County, Colorado**  
**Funded by:** Undergraduate Research Opportunity Program, University of Colorado Denver  
2011- 2012 **Role:** Faculty Sponsor / Advisor (with colleague Gregory Simon)  
**Amount:** \$1000  
**Summary:** Undergraduate student funding for scholarly research involving faculty collaborations with undergraduate students. Our research proposes to examine the social and ecological implications involved in the transition from governmental to private conservation in Jefferson County, Colorado through the conservation mechanism known as a land easement. Our objective is to record and map easements by their form and purpose, along with their dates

of origin.

**Research and Scholarship Completion Fund**

2011  
**Funded by:** Center for Faculty Development, University of Colorado  
**Role:** Recipient  
**Amount:** \$500  
**Summary:** Funding to contribute to publication fees.

**Exploring Geographies of Childhood: An Examination of Children's Physical Activity**

2009- 2010  
**Funded by:** Center for Faculty Development, University of Colorado  
**Role:** PI  
**Amount:** \$10,000  
**Summary:** A year-long project that employed both quantitative and qualitative methods to examine research questions relating to activity levels among elementary-aged children.

**Funding to support the development of *An Introduction to the Geography of Health***

2010  
**Funded by:** Routledge  
**Role:** Author / Shared PI (with Helen Hazen)  
**Amount:** £1,000  
**Summary:** Routledge provided funding to assist with cartography and figure work for the book *Introduction to the Geography of Health*. I hired several students from my cartography course to assist me with the preparation work for the cartography involved with the book through this funding. They are acknowledged in the book.

**Funding to present a paper with a student at the ESRI User Conference in San Diego, CA.**

2010  
**Funded by:** YUMPS program, University of Colorado Denver  
**Role:** Recipient  
**Amount:** \$500  
**Summary:** This funding served to complement department funding to present a paper at a conference.

**The Knapsack Institute: Transforming Teaching and Learning**

2010  
**Funded by:** The Matrix Center for Advancement of Social Equity and Inclusion  
**Role:** Participant / Faculty Scholar  
**Amount:** \$200  
**Summary:** A week-long institute in which faculty receive and share ideas and strategies related to pedagogical approaches to teaching diversity.

2009      **Funding to attend the ESRI User Conference in San Diego, CA**  
**Funded by:** YUMPS program, University of Colorado Denver  
**Role:** Recipient  
**Amount:** \$500  
**Summary:** This funding served to complement department funding to attend the conference