

FACULTY OF EDUCATION
List of Doctor of Philosophy in Education (PhD) Dissertations

1	Author Title Year Program	Alfonso, Rodigelio F Dynamics of Conceptual Change in the Biology Classroom: A Multidimensional Interpretive Framework 2001 Doctor of Philosophy in Science Education (Biology)
2	Author Title Year Program	Alba, Josephine B. Enhancing Laboratory Performance and Scientific Attitudes of General Botany Students Through Inquiry-Oriented Laboratory Activities 2002 Doctor of Philosophy in Science Education (Biology)
3	Author Title Year Program	Locaylocay, Jocelyn R. Changes in College Students' Conceptions of Chemical Equilibrium 2002 Doctor of Philosophy in Education (Chemistry Education)
4	Author Title Year Program	Petilos, Gabino P. Constructivist Model for Teaching Problem-Solving and Critical Thinking Skills 2002 Doctor of Philosophy in Science Education (Mathematics)
5	Author Title Year Program	Sarmiento-Placides, Estrella A. Relationship of Selected Factors to Science Teaching Efficacy and Classroom Performance of Biology-Student Teachers 2002 Doctor of Philosophy in Science Education (Biology)
6	Author Title Year Program	Supremo, Janette P. Learning Transfer and Durability in College Biology Students Via Computer-Assisted Instruction 2002 Doctor of Philosophy in Science Education (Biology)

7	Author Title Year Program	Torre, Carla B. Practical's for Enhancing Conceptual Understanding in Inquiry Skills 2002 Doctor of Philosophy in Education (Biology)
8	Author Title Year Program	Valenzuela-Vicente, Grace "Enhancement of Problem-Solving Skills in Chemical Equilibrium Through a Modified Network Approach 2002 Doctor of Philosophy in Education (Chemistry Education)
9	Author Title Year Program	Castillo-Gelito, Lorna Determinants of student Performance in the Science Component of the National Secondary Assessment 2003 Doctor of Philosophy in Science Education (Biology)
10	Author Title Year Program	Lahoylahoy, Myrna E. "Effects of Integrating History of Mathematics on High School Students Cognitive and Affective Learnings 2003 Doctor of Philosophy in Science Education (Mathematics)
11	Author Title Year Program	Rabanal, Jennifer A. Analysis of Task Sequence and Critical Behaviors of Engineering Students and their Understanding of Conic Sections 2003 Doctor of Philosophy in Science Education (Mathematics Education)
12	Author Title Year Program	Cabading, Evelyn T. Constructivist Approach: Its Impact on Prospective Maguidanaoan Teachers' Conceptions of Selected Topics in Environmental Chemistry 2004 Doctor of Philosophy in Education (Chemistry)
13	Author Title Year Program	Cosadio-Tan, Milagros M. Conceptual Ecology of High School Biology Students in a Multicultural Classroom 2004 Doctor of Philosophy in Science Education (Biology)

14	Author Title Year Program	Del Rosario, Bernadette I. STSE Approach in Environmental Science for Nonscience Students in a Local Culture: Academic and Sociocultural Analysis 2004 Doctor of Philosophy in Science Education (Biology)
15	Author Title Year Program	Garcia-Palanca, Carmencita Knowledge Restructuring in Selected Topics in Chemistry Using the Process Workshop Approach 2004 Doctor of Philosophy in Education (Biology)
16	Author Title Year Program	Hidalgo-Coral, Rosalina Metacognitive Learning Cycle Model: Effects on Conceptual Understanding and Problem-Solving Skills in Genetics 2004 Doctor of Philosophy in Education (Biology)
17	Author Title Year Program	Lariego, Belen C. Developing Problem-Posing Abilities Among Preservice Mathematics Teachers 2004 Doctor of Philosophy in Science Education (Mathematics)
18	Author Title Year Program	Raffinan, Corazon C. Nontraditional Problem Solving for Developing and Assessing Critical Thinking, Affective and other Cognitive Skills of Students 2004 Doctor of Philosophy in Science Education (Mathematics)
19	Author Title Year Program	Malindog Jr., Esteban A. "Effects of Contrastive and Generative Teaching Strategy in Chemistry" 2005 Doctor of Philosophy in Education (Chemistry)
20	Author Title Year Program	Racela, Emilia M. Teaching-Learning Processes in the Preservice Education of General Science Teachers 2005 Doctor of Philosophy in Science Education (Chemistry)

21	Author Title Year Program	Villaluz, Elizabeth A. Pedagogical Content Knowledge, Instructional Design and Teaching Practice of High School Biology Teachers 2005 Doctor of Philosophy in Education (Biology)
22	Author Title Year Program	Erece-Oda, Evelyn Cooperative Learning: Its Influence on Academic Achievement, Social Interaction and Self Concepts of College Biology Students 2007 Doctor of Philosophy in Science Education (Biology)
23	Author Title Year Program	Salazar, Douglas A. Enhanced-Group Moore Method: Effects on Van Hiele Levels of Geometric Understanding, Proof-Construction Performance and Beliefs 2007 Doctor of Philosophy in Science Education (Mathematics)
24	Author Title Year Program	Bernardo, Leonisa O. Sustained Community-Based In-Service Training and the Teaching Competency of Secondary School Chemistry Teachers 2008 Doctor of Philosophy in Science Education (Chemistry)
25	Author Title Year Program	Callanta-Zamora, Lourdes A. The Quality of the Student's Mathematical Proofs as a Function of Classroom Assessment A Qualitative-Quantitative Analysis 2008 Doctor of Philosophy in Science Education (Mathematics)
26	Author Title Year Program	Costillas, Juanita M Situated-Cognition Model in Teaching Mathematical Problem Solving Skills and Their Transfer to Other Domains 2008 Doctor of Philosophy in Science Education (Mathematics)
27	Author Title Year Program	Diaz, Lucy G. Learning Strategies of High School Biology Students and Improvement of Biology Instruction 2008 Doctor of Philosophy in Education (Biology Education)

28	Author Title Year Program	Domingo, Edgard C. Integration of Values and English in Mathematics Teaching: Effects of Understanding, Confidence and Problem Solving 2008 Doctor of Philosophy in Science Education (Mathematics)
29	Author Title Year Program	Arada, Sabina Rachel B. The Actuarial Science Program in the Philippines: A Historical and Curricular Development Perspective 2009 Doctor of Philosophy in Education (Mathematics Division)
30	Author Title Year Program	Consulta-Francisco, Ma. Theresa B. Experiential-Learning Approach and Scientific Literacy Dimensions of Objectivism, Personal and Social Constructivism 2010 Doctor of Philosophy in Education (Biology Education)
31	Author Title Year Program	Guevara, Christia A. Multimodal-Representation Approach: Effects on Students Conceptual Understanding, Science Process Skills, and Attitude in Genetics 2010 Doctor of Philosophy in Education (Biology Education)
32	Author Title Year Program	Hortillosa, Arlene D. Context Based Mathematics Problem Solving Cognitive and Affective Effects on BIT and BS Voc-Tech Students 2010 Doctor of Philosophy in Education (Mathematics Education)
33	Author Title Year Program	Bolo-Kalaw, Maria Theresa Realistic Mathematics Approach, Mathematical Communication and Problem-Solving Skills of High-Functioning Autistic Children: A Case Study 2012 Doctor of Philosophy in Education (Mathematics)
34	Author Title Year Program	Magistrado-Saong, Marilou Effects of Language and Other Correlates in Learning College Organic Chemistry 2012 Doctor of Philosophy in Education (Chemistry Education)

35	Author Title Year Program	Diopenes, Georgina Angeles Development and Validation of Small-Scale Chemistry Experiments Using Local Materials 2013 Doctor of Philosophy in Education (Chemistry Education)
36	Author Title Year Program	Lim, Catherine Abad Students' Academic Performance and Conceptual Knowledge in Microbiology and Parasitology taught with Problem Based Learning Approach” 2013 Doctor of Philosophy in Education (Biology Education)
37	Author Title Year Program	Conde, Rosie L. Mathematics Pedagogical Content Knowledge of Pre-Service Teachers and Didactics in Mathematics Course Prototype 2014 Doctor of Philosophy in Education (Mathematics)
38	Author Title Year Program	Noche, Joel Reyes Conceptual and Procedural Knowledge in Proportional Reasoning of Undergraduate Students 2013 Doctor of Philosophy in Education (Mathematics Education)
39	Author Title Year Program	Tantiado, Rey Gomez Integrated Metacognitive Instruction: Effects on Students Learning Strategies, Volition, and Achievement in Biology 2014 Doctor of Philosophy in Education (Biology Education)
40	Author Title Year Program	Yang-Seok (Fred) Yoo Gender Difference in Mathematics Achievement in Korea Singapore: Influence of Sociocultural Factors and Student Attitude Towards Mathematics 2014 Doctor of Philosophy in Education (Mathematics)
41	Author Title Year Program	Autida, Reynante E. Small-Group Case-Based Teaching: Effects on Student Achievement, Critical Thinking, And Attitude Toward Chemistry 2015 Doctor of Philosophy in Education (Chemistry)

42	Author Title Year Program	Bitgue, Kari Ann V. Lesson Study, Impact on Teachers' Practices, Pedagogical Content Knowledge (PCK), and Technological Pedagogical Content Knowledge (TPCK), and On Students' Cognitive Skills and Attitude Toward Biology 2015 Doctor of Philosophy in Education (Biology)
43	Author Title Year Program	Delos Santos, Nenita S. Inquiry-Based Laboratory Activities: Effect on Students' Inquiry Skills, Conceptual Understanding and Attitude Toward Genetics 2015 Doctor of Philosophy in Education (Mathematics)
44	Author Title Year Program	Pantino, Francis O. Creative Writing Activities: Effects on Student Anxiety, Attitude and Achievement in Mathematics 2015 Doctor of Philosophy in Education (Mathematics)
45	Author Title Year Program	Fetalvero, Eddie G. Consensus-Based Instruction: Effects on Students' Attitude Towards Biology and Achievement in Bioenergetics 2016 Doctor of Philosophy in Education (Biology)
46	Author Title Year Program	Ricaforte, Benigno Glenn R. Eco-Inquiry Modules: Effects on Students' Achievement and Understanding of Environmental Concepts and the Nature of Science 2016 Doctor of Philosophy in Education (Biology)
47	Author Title Year Program	Tamoria, Ferdinand V Institutional Characteristics, Mathematics Teacher Educator Qualities and Extent of Curriculum Adaptation 2016 Doctor of Philosophy in Education (Mathematics)
49	Author Title Year Program	Buera, Fely B. Metacognitive-Creative Problem Solving Method: Effects on Students' Metacognition, Creativity, Conceptual Understanding and Performance in Physics 2017 Doctor of Philosophy in Education (Physics)

50	Author Title Year Program	Junio, Melanie O. Influence of Lesson Study on Elementary School Science Teachers' Pedagogical Content Knowledge on the Nature of Science 2017 Doctor of Philosophy in Education (Biology)
51	Author Title Year Program	Mocsir, Marzokie M. Development and Effectiveness of Facilitated Learning Modules in Introductory Analytical Chemistry 2017 Doctor of Philosophy in Education (Chemistry)
51	Author Title Year Program	Danday, Billy A. Multiple-Representation Physics Lesson Study, Pre-Service Teacher Technological Pedagogical Content Knowledge Critical Thinking and Student Achievement 2018 Doctor of Philosophy in Education (Chemistry)
52	Author Title Year Program	Ibasco, Reynaldo R. Collaborative Teaching: Effects on Science Teachers' Pedagogical Content Knowledge and Students' Understanding of Particulate Nature of Matter 2018 Doctor of Philosophy in Education (Chemistry)
53	Author Title Year Program	Remedios, Rachel B. Phenomenography of Teachers' and Students' Understanding, Beliefs and Experiences of Physics Learning Assessment 2018 Doctor of Philosophy in Education (Physics)
54	Author Title Year Program	Uro, Justine Leon A Statistical Approach in Tertiary Physics Laboratory: Effects on Student Achievement, Attitude, and Psychomotor Skills 2018 Doctor of Philosophy in Education (Physics)
55	Author Title Year Program	Vidad, Dinah C. Students' Mathematics Problem Solving Difficulties and Coping and Strategies: A Model Building Study 2019 Doctor of Philosophy in Education (Mathematics)