Ludmila Kisseleva-Eggleton, PhD

**SUMMARY**

An educator with extensive international experience in curriculum design, course development, classroom, small group and one-on-one teaching and tutoring, student advising and public and professional presentations. Enjoys teaching in a creative way that encourages students to be excited about Math and Science, accustomed to working with students from all types of socioeconomic and cultural backgrounds, both in the US and internationally. Also an internationally known scientist with experience in mathematical and computer modeling, data analysis and presentation, research and technical paper writing (70+ published papers and research publications reviews, List available upon request), speaking at professional meetings and public presentations, and successful grant and project management (including application writing, budgeting, team and support staff supervision, and preparation of reports through completion).

**PROFILE**

* Teaching, tutoring, and curriculum and program design and development experience at secondary school and college levels in several areas such as Mathematics (including pre-Algebra, Algebra 1 and 2, SAT Math, Geometry, Remedial Math, Finite Math, pre-Calculus, Calculus, Statistics and BioStatistics), Physics, Integrated Science, Astronomy, Information Technology, Russian and French
* Experience in teaching international students, students with different learning styles and students from diverse ethnic and socio-economic backgrounds
* Experience in public and motivational speaking
* Experience in writing research papers, grant applications and management documentation, research grant proposals and reports
* Experience in curriculum design and course development including use of multimedia resources in classroom and online courses
* Online/blended instruction and course development experience with various LMS (eCollege, Canvas, Moodle, Desire2Learn)
* Advanced computer skills (MS Applications, Internet including its use in teaching, HTML, Photoshop, CSS, online courses and educational website design)
* Experience in mathematical modeling and computer programming (Fortran, PERL, C, Java)
* Excellent problem solving skills
* Versatile public speaking experience
* Language skills: fluent English, Russian and French
* Experience in statistics and data analysis
* Experience in mediation, conflict resolution and negotiations.
* Experience in management and supervision of teaching assistants and support staff
* Individual and small group tutoring experience
* Experience in working with straggling adult and young students and with students with learning disabilities

**SUMMARY OF CLASSES TAUGHT**

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| --- | --- | --- | --- |
| **Date** | **Place** | **Students** | **Courses and Brief descriptions** |
| September 2006 – October 2015 | Expression College for Digital Arts, Emeryville | Undergrad. (BS in Digital Arts) | Online and blended courses in Concepts in Science, Math Concepts, Math Fundamentals , Geometry |
| June 2013 – present  | Trident University International (TUI)  | Adult working student (mainly in active military service) | Online instructor in Introductory Statistics and Basic Statistics for Health Sciences |
| Sept. – December 2012 | UC Berkeley Extension KAUST pre-college program | Gifted pre-college students from Saudi Arabia | Pre-Calculus, SAT Math and Physics Subject Test preparation |
| August 2010-August 2011 | De Vry University | Business majors | Introductory Statistics  |
| Sept. 2006 – May 2009 | UC Berkeley Extension  | Premedical and working in life sciences  | Bio-statistics and Calculus  |
| September 2007- August 2008  | San Francisco State University, Dept. of Physics and Astronomy  | Undergraduate m (Biology majors and pre-med) | Lecture courses in Conceptual Physics, General Physics1 (algebra based) and Intro Astronomy |
| August 2006 – Dec. 2007 | Merritt community college, Oakland | Undergraduates | Algebra and Calculus based Physics lectures and labs |
| August 2004 - August 2006 | California Maritime Academy, Vallejo | Undergraduates | Math (intermediate and college algebra, calculus I and II, differential equations), General Physics 1 lectures and labs  |
| Sept. 2003 – May 2004 | University of the Pacific, Stockton | Undergraduates | Statistics, Pre-Calculus, Calculus I and II, Numerical Analysis, Differential Equations |
| Oct. 2003 – May 2004 | San Joaquin Office of Education | Working adults: pre-intern teachers | CBEST Prep.: Math for multiple subject |
| August 2003 – May 2004 | San Joaquin Delta College, Stockton | Community college | Intermediate Algebra and Pre-calculus, General Physics  |
| Sept. 2001- June 2003 | St. Mary’s College of California, Dept. of Math and Computer Science | From freshmen to seniors | Finite mathematics, Calculus I & II,Fundamental Math Concepts for Elementary Teachers, Art and Practice of Mathematics (math for Liberal Art Students), Statistics and Probability |
| Sept. 98 – June 2000 | Cambridge International Lycée (independent high school), Cambridge, UK | Aged 14 – 18 | Mathematics, Physics and Computer Studiesup to International General Certificate of Secondary Education (IGCSE) and International Baccalaureate higher level (students with IB Diploma are usually accepted for the 2nd year at US universities; Math SAT preparation courses, Astronomy and Physics. |
| Sept. 95 - Dec. 98 | Community Education, Cambridge, UK  | Adults (18+) | Evening classes for adults in Introductory Astronomy |
| Sept. 1994 – May 1996 | Corpus Christi College, University of Cambridge, UK | Undergraduates | Supervisor in Mathematics for Natural Sciences |
| Sept. 96 - June 97 | Various tutorial colleges (high schools) in Cambridge, UK | Aged 14 – 18 | Advanced (A-level) Mathematics (UK university entry level) & Physics |

**PROFESSIONAL EXPERIENCE**

**Trident University International (TUI) 6/2013 – Present**

***Online instructor in Basic Statistics and Health Statistics*** (part-time)

**Expression College for Digital Arts, Emeryville, CA 9/2006 – 10/2015**

(Fully accredited private four-year college offering BS in Sound Arts, Game Design, Animation, Visual Effects and Graphics Design.)

***Science and Math Course Director***

* Designed, developed and implemented a new Concepts in Science general education course in classroom, online and blended formats.
* Designed and taught remedial Math Fundamental course (similar to Developmental Math course in most other colleges).
* Co-designedBasic Geometry, Math Concepts online and blended courses and combined Math Concepts 4 units online course for the Expression general education program.
* Trained and supervised student teaching assistants and support staff.

**Las Medanos Community College, Pittsburg, CA 8/2013 – 12/2013**

***Adjunct Calculus based Physics instructor***

**UC Berkeley Extension International Students SAT Math Program 9/2012 – 12/2012**

***Instructor***

* SAT 1 and SAT 2 Subject (Math and Physics) test preparation courses and Pre-Calculus for KAUST gifted pre-Collegiate students

**UC Berkeley Extension, CA 9/2006 – 5/2009**

***Statistics and Calculus Instructor for pre-medical and business programs*** (part-time)

* Developed and designed new computer technology enhanced versions of Biostatistics (including the use of statistical software) and Calculus courses for pre-medical students and health care professionals in evening classes.

**De Vry University, CA 7/2010 – 8/2011**

***Lecturer in Statistics in blended (online and classroom teaching) program***

**San Francisco State University, CA 9/2007 – 8/2008**

**Lecturer in Physics and Astronomy**

* Taught Algebra-based Physics courses (including Concepts in Physics) and Introductory Astronomy to large groups up to 150 students, designed
* PowerPoint shows for those lectures, provided student support in small groups and individual tutoring.

**Merritt Community College, Oakland 2006 – 2007**

***Physics Instructor***

**California State University Maritime, Academy, Vallejo, CA 8/2004 – 8/2006**

***Lecturer in Mathematics & Physics***

* In 2005 I organized an interdisciplinary group of faculty members with the purpose to create a physics course which includes appropriate maritime applications of Physics and Math. I led the process of successful grant application to fund this project from the International Association of Maritime Universities. This project was completed in 2006 and resulted in teaching materials internationally distributed on websites and CDROMs.
* Was responsible for student academic support in math and physics

**Delta Community College and San Joaquin County 2003 - 2004**

**Dept. of Education, Stockton**

***Math Instructor***

**University of the Pacific, Stockton 5/2003 – 8/2004**

***Lecturer in Mathematics***

**St. Mary’s College of California, Moraga 2001 – 2003**

### *Visiting Assistant Professor of Mathematics*

 **EDUCATION**

* Advanced Online Teaching Certificate from Online Learning Consortium Institute
* PGCE (English teaching credentials program) in Mathematics,Homerton College, University of Cambridge, UK
* PhD program in Theoretical and Mathematical Physics, Russian State Pedagogical University, St. Petersburg, Russia
* PhD in Physical and Mathematical Sciences (Theoretical and Mathematical Physics)
* PhD Thesis “Numerical Studies in Dynamics of Small Groups of gravitational Bodies with Dark Matter”
* Russian State Pedagogical (Teacher Training) University, St. Petersburg, Russia

Major: Physics in French (program designed to educate school teachers who will work in French speaking Third World countries)

* MS and Russian teaching qualification in Secondary school Physics and French

 Major subject: Physics Minor: French, Math

**PROFESSIONAL AFFILIATIONS**

* Member of American Physical Society, American Mathematical Society, American Astronomical Society, International Astronomical Union, American Association of Math Teachers

**NON-PROFITS/COMMUNITY INVOLVEMENTS (past and present)**

* Universe Quest (after school science program for West Oakland middle school girls), Citizen Schools, SF Symphony League (supports music education at SF elementary and middle schools), East Bay Opera Guild (school docent for Opera a la Card program). Expending Your Horizons (STEM experience for girls, was on the board of directors 2001-2005), Earth Day SF Board of Directors, Arthritis Auxiliary, JDRF (Juvenile Diabetes Research Foundation), freelance fashion writer of online iGreenWoman magazine.