Academic Preparation Page

## Matiah R. Shaman

## Residency Teacher

## Physics and Science Endorsements

# **Master in Teaching 2011-2013 The Evergreen State College (TESC) Quarter credits**

Theories of Learning 4

Models of Teaching and Lesson Planning 4

Content Literacy and Academic English 4

Statistics/Educational Research and Design 4

Field Experience/Practicum Teaching 4

Interdisciplinary Curriculum Design and Assessment 4

Secondary Methods: Science 4

Secondary Methods: Mathematics 4

Adolescent Development and Communication 3

Diversity and Equity in the Classroom 3

Historical Foundations of Education 3

Classroom Management and Discipline 2

Sustainability and Systems Theory 2

Educational Technology: Webpage and iMovie 2

Professional Issues: Child Abuse, Law, RTI and IDEA 1

Secondary Literacy and Academic English 4

Student Teaching fall 2012 16

Integrative Arts 2

Educational Technology 3

Special Needs in the General Education Classroom and Differentiating Instruction 3

Education Seminar (topics TBA) 3

Individualized Contract (topic TBA) 3

Connecting with Families and Community 1

Professional Development: Professional Growth Plan and Master’s Presentation 1

Student Teaching spring 2013 16

# **Physics Endorsement Quarter Credits Institution**

WEST-E: Physics passed

Mechanics 5 UW

Electromagnetism and Oscillation Motion 5 UW

Waves 5 UW

Themal Physics 3 UW

Modern Physics 3 UW

Elementary math Physics 8 UW

Electrical Circuits Lab 6 UW

Electromagnetism 12 UW

Quantum Mechanics 4 UW

Special Problems 4 UW

Physics by Inquiry II 15 UW

Modern Physics Lab 3 UW

Undergraduate Research 2 UW

# **Science Endorsement Quarter Credits Institution**

WEST-E: Science passed

General Biology 8 TESC

The Urban Farm 3 UW

Ecology Seminar 1 UW

General Chemistry 10 UW

Interdisciplinary Oceanography 3 UW

Topics in Astronomy 1 UW

Physics 75 UW

# **Relevant Courses/Professional Development Quarter Credits Institution**

Advanced Placement Calculus 5 UW

Calculus and Analytical Geometry II, III 10 UW

Advanced Multivariable Calculus 3 UW

Intro to Differential Equations 3 UW

Linear Algebra and Numerical Analysis 3 UW

Matrix Algebra 3 UW

Intro to Computer Programming I 4 UW

Engineering Statics 4 UW

Intro Engineering Design 5 UW

Kinematics and Dynamics 4 UW

Intro to Electrical Engineering 4 UW

Intro Mechanics of Materials 4 UW

CT Linear Systems 5 UW

Advanced Topic Sensors (electrical engineering) 3 UW

Digital Circuits and Systems 5 UW

DT Linear Systems 5 UW

Undergraduate Research – Special Project (electrical engineering) 3 UW

Intro to Technical Writing 3 UW

Beginning Verse Writing 5 UW

Beginning Short Story Writing 5 UW

The Craft of Prose 5 UW

Composition : Exposition 5 UW

Digital Art New Media 3 UW

Jewish Cultural History 5 UW

Philosophy of Feminism 5 UW

Philosophy – Intermediate Topics 5 UW