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# professional development

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**WHRO Education Online Professional Development Courses** partners with the Virginia Society for Technology in Education (VSTE). Designed to bring you the latest and greatest in high quality, on-going, easy-to-access, online, technology integration training. These online courses build on decades of WHRO and VSTE teacher training experience. Courses will be offered in units of 5, 10, 15, 30, 45, and 60 hours, all online offering Anytime Knowledge. All courses are 6 weeks in length unless otherwise noted.

- **GENERAL QUESTIONS** – [anymeknowledge@whro.org](mailto:anymeknowledge@whro.org); 866-559-2353
- **REGISTRATION** – Register online at <http://education.whro.org/ero-login>
- **COST** –

<b>5 Recertification Points</b>	-	\$175.00
<b>10 Recertification Points</b>	-	\$235.00
<b>15 Recertification Points</b>	-	\$325.00
<b>30 Recertification Points</b>	-	\$355.00
<b>45 Recertification Points</b>	-	\$405.00
<b>60 Recertification Points</b>	-	\$455.00

**SPECIAL NOTE:**

*Please contact us if your division has professional development funds to spend. We can help you use those funds for your teachers.*

*We can also set up private courses for your school/division.*

Contact us at –  
[anymeknowledge@whro.org](mailto:anymeknowledge@whro.org); 866-559-2353

■ **GRADUATE CREDIT** – The Online Teaching Methodology course is the only WHRO Education Online Professional Development Course currently approved for graduate credit. **JMU** notes James Madison University graduate credit is available at an additional fee of only \$90 per credit hour plus a \$20 service fee.

■ **CANCELLATION POLICY** – If a learner drops a course the **Wednesday before the start date** (midnight Eastern Time), a refund for the full price (100%) will be applied to the method (credit card or Purchase Order) used to pay for the enrollment. If a learner drops a course within the **first seven days** (midnight Eastern Time) of the course start date, a refund of 80% will be applied to the method used to pay for the enrollment. No refunds will be granted after the seventh day of the start of a WHRO Education Online Professional Development Course. Written notification needs to be sent to [anymeknowledge@whro.org](mailto:anymeknowledge@whro.org).

■ **CLASS PARTICIPATION** - If you do not begin to participate within the first seven days, or if you are absent for more than six consecutive days, you will no longer be eligible to receive a completion certificate or graduate credit, nor will your facilitator evaluate your assignments.

■ **DON'T SEE WHAT YOU WERE LOOKING FOR** – You can find the full listing of WHRO Education Online Professional Development courses here. <http://education.whro.org/whropd-full-listing> If you have professional development funds, and would like to form a class with a minimum of 12, please send a message to [anymeknowledge@whro.org](mailto:anymeknowledge@whro.org)

■ **SUBSCRIBE TODAY** to receive updates and reminders on WHRO Education Online Professional Development Course. <http://education.whro.org/edusubscribe>



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**JMU Online Teaching Methodology - 60 hr**

AKINST500.41 – Mon, 2/17/2017 – Sun, 3/26/2017 – 7 weeks

The Online Teaching Methodology professional development course is designed to prepare educators for teaching in the K-12 online environment. The content provides participants with effective strategies and methodologies for quality online instruction. During this seven-week online course, participants will explore topics including asynchronous and synchronous learning, learning management systems, instructional tools, communication, collaboration, accountability, assessments, instructor evaluations and much more. At the end of this course, participants will be prepared to provide high-quality instruction to secondary students in the online environment.

**Points/Credit Hours:** 60 recertification points (3 graduate credits available for extra cost after start of course-enrollment instructions will be sent to you by the facilitator)

**Audience:** Those interested in teaching or creating online courses.

**Facilitator:** Anita Harris

**Cost:** \$455.00

**Note:** We strongly recommend that learners have experience with online learning prior to enrollment in this course.

**The Art and Science Of Effective Classroom Management – 30hr**

AKINST300.24 – Mon, 2/17/2017 – Sun, 3/19/2017 – 6 weeks

This six-week online course addresses components of successful classroom management, including managing the environment, student behavior, instruction, student productivity, and cultural diversity.

**Points/Credit Hours:** 30 recertification points (0 graduate credit)

**Audience:** Teachers, Grades K-12

**Facilitator:** Sharon Hurwitz

**Cost:** \$355.00

**TSIP Anytime Anywhere - 45 hr**

AKTECH400.156 - Mon, 2/17/2017 – Sun, 3/19/2017 – 6 weeks

TSIP Anytime Anywhere is a six-week online course that is an online adaptation of the ever popular Technology Standards for Instructional Personnel (TSIP) Certification course that has been offered for years as a face-to-face class through the C.I.I. The purpose of this course is designed to assist Virginia Educators in exploring and developing expertise with the various aspects of telecommunications tools as well as model the ways in which these tools can be used for personal learning and for integration into the teaching/learning process. This course will focus on six main areas: beginning Windows, Word, Excel, Access, PowerPoint and beginning Internet.

**Points/Credit Hours:** 45 recertification points (0 graduate credit)

**Audience:** Teachers, Grades K-12

**Facilitator:** Debbie Rollins

**Cost:** \$405.00

**K-12 STEM Using NASA Resources (Science, Technology, Engineering, and Mathematics) – 45hr**

AKSTEM400.112 - Mon, 2/17/2017 – Sun, 3/19/2017 – 6 weeks

This course seeks to provide a way to teach mathematics and science in an integrated format that blends technology, engineering, and problem-solving into activities that are engaging but are also aligned with Virginia math, science, and technology standards. Because NASA has already been instrumental in creating STEM lessons, we will focus on their resources. The effective use of instructional technologies that appeal to 21st Century Learners will also be a significant strand for this course. Four STEM lesson plans, each focusing on one of NASA's Mission Directorates and utilizing different instructional technologies, will be major projects. These include Aeronautics, Science, Exploration, and Space Operations.

**Points/Credit Hours:** 45 recertification points (0 graduate credit)

**Audience:** Teachers, Grades K-12

**Facilitator:** Sharon Hurwitz

**Cost:** \$405.00

**Web Design - 45 hr**

AKTECH401.133 - **Mon, 2/17/2017 – Sun, 3/19/2017** – 6 weeks

Students will understand the history of hypertext markup language as it applies to web pages today. They will identify basic web page design considerations and apply these elements to the creation of a set of 4 web pages. They will use basic HTML code, Internet resources and a web page editor to complete these web pages.

**Points/Credit Hours:** 45 recertification points (0 graduate credit)

**Audience:** Teachers, Grades K-12

**Facilitator:** Debbie Rollins

**Cost:** \$405.00





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Learning with Virginia's PBS TeacherLine is all about convenience, flexibility, and on-demand access. You can participate at home, at school, or even at your public library. All you need is a computer with reliable Internet access. Everything you need to participate in a course is centralized online so you can accomplish assignments, stay current, and access resources for projects conveniently — without buying any textbooks or missing any classroom time.

Virginia's PBS TeacherLine provides high-quality online professional development for Virginia educators through over 130 research-based courses at every grade level from PreK-12 in mathematics, reading/language arts, science, instructional technology and instructional strategies including an ITRT certification program that leads to ISTE NETS\*<sup>T</sup> Certification and valuable technology integration resources. Courses carry an automatic 15-45 recertification hours, and can be taken for one to three graduate credits at an added cost. All courses are 6 weeks in length unless otherwise noted.

- **GENERAL QUESTIONS** – [info@virginiateacherline.org](mailto:info@virginiateacherline.org); 866.851.3677
- **REGISTRATION** – Register online at <http://www.vateacherline.org/register.html>
- **COST** –

<b>15 Recertification Points</b> -	\$325.00
<b>30 Recertification Points</b> -	\$355.00
<b>45 Recertification Points</b> -	\$405.00

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Contact us at –

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■ **GRADUATE CREDIT** – Graduate Credit is available for most Virginia's PBS TeacherLine Courses at an additional fee. **JMU** notes James Madison University graduate credit is available at an additional fee of only \$90 per credit hour plus a \$20 service fee. **GC** notes graduate credit available at an additional fee, but not through JMU. You can view info on the other universities and more graduate credit info here. <http://www.vateacherline.org/gradcredit.html>

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## Winter 2017

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### **JMU Digital Lesson Planning for Differing Learning Styles – 30hrs**

INST120.225 - 01/18/2017 - 02/28/2017

Unlock the secrets to developing a curriculum that meets the learning needs of different types of students. Create a cross-curricular unit that integrates technology to support learning, and plan lessons that address the different ways that your students learn. Activities will help you build flexibility into your lesson plans, enabling you to integrate your new knowledge into your instruction. This course was formerly called "Creating Units to Support Differing Learning Styles."

**Subject Area(s):** Instructional Technology, Instructional Strategies

**Grade Level:** Kindergarten-12<sup>th</sup>

**Points/Credit Hours:** 30 recertification points (2 graduate credits available for extra cost after start of course-enrollment instructions will be sent to you by the facilitator)

**Cost:** \$355.00

### **JMU Promoting Digital Media Literacy in Students – 30hrs**

INST125 - 02/15/2017 - 03/28/2017

Show your students how to get the most from their online research with these essential 21st century skills.

**Subject Area(s):** Instructional Technology, Instructional Strategies

**Grade Level:** Kindergarten-12<sup>th</sup>

**Points/Credit Hours:** 30 recertification points (2 graduate credits available for extra cost after start of course-enrollment instructions will be sent to you by the facilitator)

**Cost:** \$355.00

### **JMU Inquiry-Based Learning in the Classroom**

INST310 - 02/15/2017 - 03/28/2017

Knowledge gained through investigation produces greater student understanding and achievement. Discover the key principles of inquiry-based learning, and observe and assess its effectiveness on class lessons and student Web projects. Develop an inquiry facilitation plan for a unit to implement inquiry based learning in your classroom.

**Subject Area:** Instructional Technology, Instructional Strategies

**Grade Level:** Kindergarten-12<sup>th</sup>

**Points/Credit Hours:** 30 recertification points (2 graduate credits available for extra cost after start of course-enrollment instructions will be sent to you by the facilitator)

**Cost:** \$355.00

### **JMU Teaching for Multiple Intelligences – 30hrs**

INST315.95 - 01/18/2017 - 02/28/2017

Discover the advantages of teaching methods that engage multiple intelligences and explore ways to implement them. You will also learn to teach and assess students differently based on their individual intellectual styles.

**Subject Area(s):** Instructional Technology, Instructional Strategies

**Grade Level:** Kindergarten-12<sup>th</sup>

**Points/Credit Hours:** 30 recertification points (2 graduate credits available for extra cost after start of course-enrollment instructions will be sent to you by the facilitator)

**Cost:** \$355.00

### **JMU Connecting Family, Community and Schools – 30hrs**

INST320.141 - 01/18/2017 - 02/28/2017

INST320 - 02/15/2017 - 03/28/2017

Learn the Action Team for Partnership (ATP) model and discover how to engage families and communities in children's education. Examine the "connection" issues, acquire tools to integrate partnership programming into your curriculum, and develop a plan that involves parents, family members, and community resources in your own classroom.

**Subject Area(s):** Instructional Strategies

**Grade Level:** Kindergarten-12<sup>th</sup>

**Points/Credit Hours:** 30 recertification points (2 graduate credits available for extra cost after start of course-enrollment instructions will be sent to you by the facilitator)

**Cost:** \$355.00



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**GC Teaching with Primary Sources from the Library of Congress – 45 hrs**

INST342.55 - 01/18/2017 - 02/28/2017

INST342 - 02/15/2017 - 03/28/2017

This course helps educators utilize the more than 19 million resources and materials of the Library of Congress to create student engagement, build critical thinking skills, and enhance knowledge construction with primary sources. Gain a new understanding of how close contact with the library's historical resources can provide young people with a strong sense of the past and a new understanding of the present.

**Subject Area(s):** Instructional Strategies, Social Studies/History

**Grade Level:** 3rd-12<sup>th</sup>

**Points/Credit Hours:** 45 recertification points (3 graduate credits available for extra cost after start of course-enrollment instructions will be sent to you by the facilitator)

**Cost:** \$405.00

**JMU Enabling Students with Special Needs to Succeed in Math Class - 30hrs**

MATH165.196 - 12/07/2016 - 01/17/2017

MATH165 - 02/15/2017 - 03/28/2017

Make mathematics accessible for all students. The Individuals with Disabilities Education Act (IDEA) mandates equity so that, whenever possible, students with disabilities learn in the same classrooms and with the same curricula as their peers. Learn to adapt your own curricula and work with special needs teachers to help your students succeed. Develop a plan that builds accessibility strategies into your daily instruction.

**Subject Area(s):** Mathematics, Instructional Technology, Instructional Strategies

**Grade Level:** 4th-8<sup>th</sup>

**Points/Credit Hours:** 30 recertification points (2 graduate credits available for extra cost after start of course-enrollment instructions will be sent to you by the facilitator)

**Cost:** \$355.00

**JMU Math in Everyday Life for Grades K-5 – 15 hrs**

MATH181.94 - 01/18/2017 - 02/28/2017

Make math "real" for your young students with a fresh look at problem solving, calculators, and the Internet in the classroom. In this course, we'll take a look at the National Council of Teachers of Mathematics (NCTM) Calculator-Usage and Problem-Solving Standards for a framework to design lesson plans, address content, and meet state standards with your curriculum. Through the course assignment, you will make math real by designing a "walking field trip" that is comprised of tasks found in students' daily lives.

Classroom Link-Access to students recommended. PBS Classroom Link courses ask learners to implement lessons with their class or with a small group of students (options for learners without access to students are available).

**Subject Area:** Mathematics, Instructional Strategies

**Grade Level:** Kindergarten-5<sup>th</sup>

**Points/Credit Hours:** 15 recertification points (1 graduate credits available for extra cost after start of course-enrollment instructions will be sent to you by the facilitator)

**Cost:** \$325.00

### **JMU Understanding Numbers and Operations: Addition and Subtraction in Grades PreK-3- 30hrs**

MATH250.146 - 01/18/2017 - 02/28/2017

MATH250 - 02/15/2017 - 03/28/2017

Learn to teach mental arithmetic to enhance your students' understanding of addition and subtraction. Develop your understanding of computational strategies by observing students, exploring lesson plans, and examining Web resources. Design, implement, and assess a numbers and operations lesson that combines technology, manipulatives, and effective pedagogical strategies.

**Subject Area(s):** Mathematics, Instructional Technology, Instructional Strategies

**Grade Level:** Preschool-3rd

**Points/Credit Hours:** 30 recertification points (2 graduate credits available for extra cost after start of course-enrollment instructions will be sent to you by the facilitator)

**Cost:** \$355.00

### **GC Developing Algebraic Thinking in Grades 3-5 – 30hrs**

MATH270 - 02/15/2017 - 03/28/2017

Break down your math lessons to reexamine the way you teach algebra. In this course, you become the student, solving mathematical problems in order to better understand how you can use algebra to identify patterns, analyze situations, and practice representing relationships with mathematical models. As part of the course assignments, you will practice your newly developed strategies on 3-5 grade students, monitor their learning process, and assess their understanding of algebra. Peer discussions will help you reflect and use insightful feedback to improve your teaching practice.

**Subject Area:** Mathematics, Instructional Technology, Instructional Strategies

**Grade Level:** 3rd-5<sup>th</sup>

**Points/Credit Hours:** 30 recertification points (2 graduate credits available for extra cost after start of course-enrollment instructions will be sent to you by the facilitator)

**Cost:** \$355.00

### **GC Differentiating Math Lessons for a Range of Learners - 30hrs**

MATH330.10 - 01/18/2017 - 02/28/2017

To meet the needs of a range of learners in the mathematics classroom, teachers are called upon to differentiate instruction. The need for differentiation is stronger than ever as districts strive to implement the Common Core State Standards with rigor and equity to promote the success of all students. Providing instruction that is differentiated and targeted to students' strengths and needs is a powerful practice for improving math learning. This course stands out from more general offerings on differentiating instruction because it provides specific suggestions for teaching standards-based mathematics. Teachers will learn powerful approaches and models for planning and implementing differentiated math lessons that are tailored to their students' diverse needs. They will take away strategies, planning tools and resources for applying the ideas in their classroom practice.

**Subject Area(s):** Mathematics

**Grade Level:** Kindergarten-8<sup>th</sup>

**Points/Credit Hours:** 30 recertification points (2 graduate credits available for extra cost after start of course-enrollment instructions will be sent to you by the facilitator)

**Cost:** \$355.00

### **GC Seeing Math™: Linear Functions - 30hrs**

MATH410.69 - 12/07/2016 - 01/17/2017

Discover a fresh approach to teaching linear functions through the use of real-world problems that generate varied approaches and solutions. Learn how multiple representations and solutions strengthen students' understanding of functions, equations, and problem solving.

**Subject Area(s):** Mathematics

**Grade Level:** 6th-12th

**Points/Credit Hours:** 30 recertification points (2 graduate credits available for extra cost after start of course-enrollment instructions will be sent to you by the facilitator)

**Cost:** \$355.00



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**GC Seeing Math™: Proportional Reasoning – 30 hrs**

MATH430 - 02/15/2017 - 03/28/2017

Discover techniques to guide your students through the critical transition from elementary-level computing to more complex, proportional thinking. Through videos, observation, and peer discussion, you will reflect on how students approach problems and discuss ways to support student understanding. Comments from math specialist Dr. Richard Lesh are also presented in conjunction with videos of student learners to help construct and assess students' development of proportional reasoning. Take this course to unlock the mystery of student thinking.

**Subject Area:** Mathematics

**Grade Level:** 6th-12<sup>th</sup>

**Points/Credit Hours:** 30 recertification points (2 graduate credits available for extra cost after start of course-enrollment instructions will be sent to you by the facilitator)

**Cost:** \$355.00

**JMU Achieving Learning Goals through Accomplished Mathematics Instruction - 45hrs**

MATH512.32 - 10/19/2016 - 11/29/2016

MATH512 - 02/15/2017 - 03/28/2017

This research-based course draws upon data from the National Board for Professional Teaching Standard's performance assessment of mathematics. Examine how your practice impacts student learning through the lens of professional teaching standards. Identify learning goals for your lessons, determine how different types of goals connect, and define how students show evidence of achievement of those goals. Note: Course 1 is helpful, but not a required precursor for Course 2: Guiding Student Learning Through Accomplished Mathematics Instruction. This course is facilitated by National Board Certified Teachers (NBCTs) in mathematics.

**Subject Area(s):** Mathematics

**Grade Level:** 6th-12<sup>th</sup>

**Points/Credit Hours:** 45 recertification points (3 graduate credits available for extra cost after start of course-enrollment instructions will be sent to you by the facilitator)

**Cost:** \$405.00

**GC Guiding Student Learning through Accomplished Mathematics Instruction - 45hrs**

MATH517.23 - 01/18/2017 - 02/28/2017

Learn to effectively guide student learning, based on data from the National Board for Professional Teaching Standards' performance assessment of mathematics teachers. Focusing on key instructional aspects such as student profiles and a "focal" student approach, classroom culture focused on mathematics learning, aligning goals with instructional methods, and checking for understanding during lessons, this course helps 6th- to 12th- grade teachers accomplish mathematics goals. Note: Course 1 (MATH512: Achieving Learning Goals through Accomplished Mathematics Instruction) will be a helpful, but not required, precursor for this course. This course is facilitated by National Board Certified Teachers (NBCTs) in mathematics.

**Subject Area(s):** Mathematics

**Grade Level:** 6th-12<sup>th</sup>

**Points/Credit Hours:** 45 recertification points (3 graduate credits available for extra cost after start of course-enrollment instructions will be sent to you by the facilitator)

**Cost:** \$405.00



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**JMU Teaching Math (Grades K-2): A Special Collection from Annenberg Learner - 45hrs**

MATH522 - 02/15/2017 - 03/28/2017

Expand your understanding and practice of the key five process standards developed by National Council of Teachers of Mathematics (NCTM): Communication, Problem Solving, Reasoning and Proof, Representation, and Connections through multimedia resources (videos, student-teacher dialogues, and interactives) from Annenberg Learner. These process standards complement the mathematical content standards from NCTM. When both are used effectively in the classroom, students gain a fuller sense of what mathematics is, and have a greater opportunity for achieving understanding of its concepts and developing necessary mathematical thinking skills.

**Subject Area(s):** Mathematics

**Grade Level:** Kindergarten-2<sup>nd</sup>

**Points/Credit Hours:** 45 recertification points (3 graduate credits available for extra cost after start of course-enrollment instructions will be sent to you by the facilitator)

**Cost:** \$405.00

**Raising Readers: Preparing Preschoolers for Success – 15 hrs**

RDLA051 - 02/15/2017 - 03/28/2017

This course focuses on preparing preschoolers for success by developing their early literacy skills. Using research from early literacy experts Susan B. Neuman and Kathleen Roskos, you'll learn how to plan meaningful experiences that build on preschoolers' prior knowledge, expand their vocabulary, and strengthen oral language development. Unless otherwise indicated, this course is not usually available for graduate credit.

**Subject Area:** Reading/Language Arts

**Grade Level:** Preschool-Kindergarten

**Points/Credit Hours:** 15 recertification points (0 graduate credits available for extra cost after start of course-enrollment instructions will be sent to you by the facilitator)

**Cost:** \$405.00

**GC \*NEW\* An Introduction to Underlying Principles and Research for Effective Literacy Instruction (Grades PreK-8) - 45hrs**

RDLA152.119 - 12/07/2016 - 01/17/2017

RDLA152.120 - 01/18/2017 - 02/28/2017

Meet requirements for research-based literacy and reading instruction. Analyze best practices for phonemic awareness, phonics, and word recognition to develop the skills required for students to expand vocabulary, improve comprehension and fluency, and gain independence. Familiarize yourself with the literacy needs of English language learners (ELL), students with learning disabilities, and other struggling readers.

**Subject Area(s):** Reading/Language Arts

**Grade Level:** Kindergarten-8<sup>th</sup>

**Points/Credit Hours:** 45 recertification points (3 graduate credits available for extra cost after start of course-enrollment instructions will be sent to you by the facilitator)

**Cost:** \$405.00

**JMU Teaching Phonemic Awareness and Phonics - 45hrs**

RDLA157.140 - 01/18/2017 - 02/28/2017

RDLA157 - 02/15/2017 - 03/28/2017

Bring the ideal balance of oral language, phonological awareness, phonemic awareness, phonics, and written language to your language arts instruction. Study the stages of literacy development and practice assessing the performance of budding young readers. Learn to design instructional activities that strengthen students' skills in phonemic and phonological awareness.

**Subject Area(s):** Reading/Language Arts

**Grade Level:** Preschool-3<sup>rd</sup>

**Points/Credit Hours:** 45 recertification points (3 graduate credits available for extra cost after start of course-enrollment instructions will be sent to you by the facilitator)

**Cost:** \$405.00

**JMU Teaching Phonics and Spelling for Beginning and Transitional Readers - 45hrs**

RDLA167.79 - 12/07/2016 - 01/17/2017

RDLA167.80 - 01/18/2017 - 02/28/2017

RDLA167 - 02/15/2017 - 03/28/2017

Engage beginning and transitional readers and writers with research-based phonics and spelling activities. Study and discuss topics such as the principles which form the foundation for traditional versus contemporary perspectives on spelling instruction. Investigate better ways to help students develop oral reading fluency through learning letters, letter-sound correspondence and patterns and high-frequency words, then assess a student's skill level in spelling to set appropriate individual goals.

**Subject Area(s):** Reading/Language Arts

**Grade Level:** 1st-3<sup>rd</sup>

**Points/Credit Hours:** 45 recertification points (3 graduate credits available for extra cost after start of course-enrollment instructions will be sent to you by the facilitator)

**Cost:** \$405.00

**GC Teaching Vocabulary: Word Meanings and Word Knowledge - 45hrs**

RDLA172.39 - 12/07/2016 - 01/17/2017

RDLA172.40 - 01/18/2017 - 02/28/2017

RDLA172 - 02/15/2017 - 03/28/2017

Design more effective lesson plans by learning to evaluate your students' word knowledge and to incorporate vocabulary instructional strategies. Explore the role of vocabulary knowledge in the relationship between the written vocabularies of reading and writing, and the oral vocabularies of listening and speaking. Evaluate how your instructional practices align with National Council of Teachers of English/International Reading Association (NCTE/IRA) standards and your state's standards.

**Subject Area(s):** Reading/Language Arts

**Grade Level:** Preschool-2<sup>nd</sup>

**Points/Credit Hours:** 45 recertification points (3 graduate credits available for extra cost after start of course-enrollment instructions will be sent to you by the facilitator)

**Cost:** \$405.00

**GC \*NEW\* Improving Reading Comprehension – 45 hrs**

RDLA192.47 - 01/18/2017 - 02/28/2017

RDLA192 - 02/15/2017 - 03/28/2017

Understand the many factors affecting students' comprehension, and how to avoid the "fourth-grade reading slump". Implement active strategies for developing students' love of reading while building their comprehension of different types of texts. Bring narrative, expository, and multi-genre books to life for all students through student-collaboration projects, text maps, reading guides and Internet-based projects.

**Subject Area(s):** Reading/Language Arts

**Grade Level:** 4th-8<sup>th</sup>

**Points/Credit Hours:** 45 recertification points (3 graduate credits available for extra cost after start of course-enrollment instructions will be sent to you by the facilitator)

**Cost:** \$405.00

**JMU \*NEW\* Teaching Reading Fluency - 30 hrs**

RDLA195.61 - 01/18/2017 - 02/28/2017

A fluent reader is more confident and successful. Learn quantitative and qualitative techniques to assess and improve students' fluency, and discover ways technology can foster students' fluency progress. Apply practical, research-based strategies that leverage trusted PBS resources to help parents make the home-to-school connection. This course is also ideal for teachers who work with older, struggling readers. Content aligns with the National Council of Teachers of English (NCTE) and International Reading Association (IRA) standards.

**Subject Area(s):** Reading/Language Arts

**Grade Level:** 2nd-5<sup>th</sup>

**Points/Credit Hours:** 30 recertification points (2 graduate credits available for extra cost after start of course-enrollment instructions will be sent to you by the facilitator)

**Cost:** \$355.00



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**JMU Teaching Reading in the Content Areas – 30 hrs**

RDLA340 - 02/15/2017 - 03/28/2017

Give your students the tools they need to be active and engaged readers across all grade levels and content areas. In this course, you will learn how to create a successful classroom environment that supports effective reading techniques and habits. Your course assignments will build upon essential techniques that support independent reading and learning, such as identifying opportunities for students to access prior knowledge, setting a purpose for reading, organizing and summarizing ideas, taking notes, and reflecting on new understandings.

**Subject Area:** Mathematics, Science, Reading/Language Arts

**Grade Level:** 3rd-12<sup>th</sup>

**Points/Credit Hours:** 30 recertification points (2 graduate credits available for extra cost after start of course-enrollment instructions will be sent to you by the facilitator)

**Cost:** \$355.00

**GC \*NEW\* Developing Passionate Readers in a Digital World - 30 hrs**

RDLA400.13 - 01/18/2017 - 02/28/2017

As educators, we fully realize the power of reading! We appreciate how it fills us with emotion, takes us on adventures, and opens a gateway to higher learning and understanding. This course provides specific strategies and tools that will help your students understand and know the joy of reading. Learn how to ignite students' interest through personal, real-world connections, explore digital reading and audio technologies, discover how to use a wealth of online resources and tools, and analyze social reading's power to connect and engage. Lastly, you will develop and implement a classroom literacy initiative that will inspire a love of reading through authentic experiences.

**Subject Area(s):** Reading/Language Arts

**Grade Level:** Kindergarten-6<sup>th</sup>

**Points/Credit Hours:** 30 recertification points (2 graduate credits available for extra cost after start of course-enrollment instructions will be sent to you by the facilitator)

**Cost:** \$355.00

**GC Plants and Animals - STEM Professional Development from WGBH – 30 hrs**

SCIE504 - 02/15/2017 - 03/28/2017

This course will help you refine your students' examination of how both the structures and functions of plants and animals help them meet their needs as living things. You will explore strategies for the use of concept maps, and effective uses of live plants and animals in the classroom. You will learn how to better present to your students the idea that plants are producers, and animals, consumers.

**Subject Area:** Science

**Grade Level:** Kindergarten-4<sup>th</sup>

**Points/Credit Hours:** 30 recertification points (2 graduate credits available for extra cost after start of course-enrollment instructions will be sent to you by the facilitator)

**Cost:** \$355.00

**GC Structure of the Earth System - STEM Professional Development from WGBH - 30 hrs**

SCIE564 - 02/15/2017 - 03/28/2017

A topic immersion course on Teaching Earth and Space Science Develop content knowledge about landform processes, data sets, and mapping tools while you learn effective teaching methodologies, strategies, and tools for use in teaching earth and space science concepts. Uncover the processes that account for the Earth's ever-changing appearance and investigate how the rock cycle connects to these processes.

**Subject Area(s):** Science

**Grade Level:** 5<sup>th</sup>-12<sup>th</sup>

**Points/Credit Hours:** 30 recertification points (2 graduate credits available for extra cost after start of course-enrollment instructions will be sent to you by the facilitator)

**Cost:** \$355.00



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**GC The Habitable Planet: A Systems Approach to Environmental Science—A Special Collection from Annenberg Learner - 45 hrs**

SCIE572.26 - 12/07/2016 - 01/17/2017

SCIE572.27 - 01/18/2017 - 02/28/2017

This course helps to provide a background for understanding and discussing the natural functioning of the different Earth systems: geophysical systems, the atmosphere, the oceans, and natural ecosystems. Examine the unique characteristics that make our planet habitable and investigate the effects of human actions on different natural systems: land use, air and water pollution, biodiversity decline, and the extraction of resources. What can be predicted, given current trends, if humans act in concert to mitigate their impact on the planetary system? Use inquiry-based learning techniques to determine which multimedia resources—Annenberg Learner videos, interactive labs, and more—will best engage your students and hone their skills as scientific thinkers.

**Subject Area(s):** Science

**Grade Level:** 9th-12<sup>th</sup>

**Points/Credit Hours:** 45 recertification points (3 graduate credits available for extra cost after start of course-enrollment instructions will be sent to you by the facilitator)

**Cost:** \$405.00

**GC Accomplished Science Teaching: Guiding Student Learning - 45 hrs**

SCIE609 - 02/15/2017 - 03/28/2017

This course is the third in the Accomplished Science Teaching course series. The courses may be taken individually or as a series. This research-based course draws upon data from the National Board for Professional Teaching Standards' performance assessment of science teachers. Through this course, learners focus on the evolution of student learning of science concepts. With an understanding of how science concepts build on each other, whether within a unit or grade or across grades, teachers can make well-informed instructional decisions and help students build their own understanding more efficiently. Several ideas in this course will be revisited in more depth in the other courses from the Accomplished Science Teaching series.

**Subject Area(s):** Science

**Grade Level:** Kindergarten-12th

**Points/Credit Hours:** 45 recertification points (3 graduate credits available for extra cost after start of course-enrollment instructions will be sent to you by the facilitator)

**Cost:** \$405.00

**GC Bridging World History: A Special Collection from Annenberg Learner - 45 hrs**

SOST502.24 - 12/07/2016 - 01/17/2017

SOST502.25 - 01/18/2017 - 02/28/2017

This inquiry-based course will enable you to research and explore the world history concepts and resources that meet your curriculum and student learning needs. Delve into world history units provided by Annenberg Learner that explore global patterns through time, seeing history as an integrated whole with an eye to bringing world history concepts to life in the classroom. Develop essential questions and a framework based on your curriculum for your exploration and work through this course. Analyze primary source documents, artifacts, and expert videos and develop an instructional unit to implement with students that develops their historical thinking skills and brings the past to life in your classroom.

**Subject Area(s):** Social Studies/History

**Grade Level:** 9th-12<sup>th</sup>

**Points/Credit Hours:** 45 recertification points (3 graduate credits available for extra cost after start of course-enrollment instructions will be sent to you by the facilitator)

**Cost:** \$405.00

**JMU America's History in the Making: A Special Collection from Annenberg Learner - 45 hrs**

SOST507.28 - 12/07/2016 - 01/17/2017

SOST507 - 02/15/2017 - 03/28/2017

Enrich your knowledge of American history and learn methods to bring history to life in the classroom. This course explores American history content and classroom applications, such as using digital primary sources and biographical accounts, through the integrated use of video, text, classroom activities, and Web-based interactives. Explore each era in American history from Pre-Columbian societies in North America through the Industrial Revolution to present day. Practice developing lesson plans and student assignments that incorporate digital primary sources and develop students' historical thinking skills.

Subject Area(s): Social Studies/History

Grade Level: 6th-12<sup>th</sup>

**Points/Credit Hours:** 45 recertification points (3 graduate credits available for extra cost after start of course-enrollment instructions will be sent to you by the facilitator)

**Cost:** \$405.00

**JMU Teaching with WebQuests for Grades K-12 - 30 hrs**

TECH145.289 - 1/18/2017 - 2/28/2017

Discover Internet resources that promote inquiry-oriented student learning and smart use of the Web for research and class assignments. In this course, you will explore WebQuests and learn to effectively integrate the Internet and Web 2.0 tools in the classroom. You will design a WebQuest to enhance a classroom unit or curriculum area.

**Subject Area(s):** Instructional Technology, Instructional Strategies

**Grade Level:** Kindergarten-12<sup>th</sup>

**Points/Credit Hours:** 30 recertification points (2 graduate credits available for extra cost after start of course-enrollment instructions will be sent to you by the facilitator)

**Cost:** \$355.00

**JMU Graphic Organizers for 21st Century Learning - 30 hrs**

TECH195.330 - 01/18/2017 - 02/28/2017

Graphic organizers are a tool for 21st century learning that can support critical thinking and problem solving; communication; collaboration; and creativity and innovation. Learn how to help students organize ideas, convey complex concepts, progress through the writing process, and develop mathematical and scientific thinking skills with graphic organizers. Learn to create and use electronic graphic organizers across the curriculum for all grade levels to develop students' 21st century skills.

**Subject Area(s):** Instructional Technology, Instructional Strategies

**Grade Level:** Kindergarten-12<sup>th</sup>

**Points/Credit Hours:** 30 recertification points (2 graduate credits available for extra cost after start of course-enrollment instructions will be sent to you by the facilitator)

**Cost:** \$355.00

**GC Digital Tools for Innovative Learning – 30 hrs**

TECH335.129 - 01/18/2017 - 02/28/2017

TECH335 - 02/15/2017 - 03/28/2017

Tap into the best educational blogs, learning portals, wikis, social media platforms, and flipped classroom experiences to enhance your teaching practice. In this course, you will learn how to use digital technology to maximize your professional growth! You will be introduced to tools that help manage and create content, and others that will improve your communications with students and parents.

**Subject Area:** Instructional Technology, Instructional Strategies

**Grade Level:** Kindergarten-12<sup>th</sup>

**Points/Credit Hours:** 30 recertification points (2 graduate credits available for extra cost after start of course-enrollment instructions will be sent to you by the facilitator)

**Cost:** \$355.00

**JMU Evaluating and Organizing Internet Resources and Content - 30 hrs**

TECH340.87 - 10/19/2016 - 11/29/2016

Develop skills to prepare students for evaluating and organizing Internet resources using Web 2.0 tools. These "literacy" skills give students the foundation for effective and safe Internet use as they become digital citizens. Learn to organize web sites and content using free online tools. Develop a curriculum guide to prepare students for research integrating Web 2.0 tools, and create an online portal complete for teachers, students and parents.

**Subject Area(s):** Instructional Technology, Instructional Strategies

**Grade Level:** Kindergarten-12<sup>th</sup>

**Points/Credit Hours:** 30 recertification points (2 graduate credits available for extra cost after start of course-enrollment instructions will be sent to you by the facilitator)

**Cost:** \$355.00

**JMU Developing Understanding with Dynamic Media and Digital Storytelling - 30 hrs**

TECH345.40 - 01/18/2017 - 02/28/2017

Digital storytelling and dynamic media have the power and the potential to engage learners in remarkable new ways. In this course, you will explore the basics of these 21st century teaching and learning approaches and connect them to an updated version of Bloom's Taxonomy. Learn about useful Web 2.0 tools like 'mashups' for creating and sharing stories and study the steps involved in creating digital stories and corresponding evaluation rubrics.

**Subject Area(s):** Instructional Technology

**Grade Level:** Kindergarten-12<sup>th</sup>

**Points/Credit Hours:** 30 recertification points (2 graduate credits available for extra cost after start of course-enrollment instructions will be sent to you by the facilitator)

**Cost:** \$355.00

**GC Leveraging Smart and Social Digital Media in the Classroom - 30 hrs**

TECH575.29 - 12/07/2016 - 01/17/2017

TECH575 - 02/15/2017 - 03/28/2017

While we may use technology on a daily basis outside of the school day, integrating its use into the classroom for the first time can be a daunting task. Using the Common Core State Standards as a blueprint for the use of digital media in the curriculum, this course will enable you to help your students use technology in ways that develop 21st century skills—including creativity, communication, collaboration, and problem solving. You will explore classrooms and schools that are effectively integrating computers and mobile devices; work with digital tools and web-based software; and develop a technology integration plan that enables your students to leverage current technology for academic success.

**Subject Area(s):** Instructional Technology

**Grade Level:** Kindergarten-12<sup>th</sup>

**Points/Credit Hours:** 30 recertification points (2 graduate credits available for extra cost after start of course-enrollment instructions will be sent to you by the facilitator)

**Cost:** \$355.00



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