EDCI 716
Principles of Technology Leadership
Spring Semester

PROFESSOR(S):
Name: Priscilla Norton
Office phone: 703-993-2015
Office location: Commerce Room 111
Office hours: T/TH 2:00 – 4:00 pm
Email address: pnorton@gmu.edu

Name: Dawn Hathaway
Office phone: 703-993-2015
Office location: Commerce Room 111
Office hours: T/TH 2:00 – 4:00 pm
Email address: dhathawa@gmu.edu

COURSE DESCRIPTION

A. Prerequisites – None
Co-requisite – EDIT 719

B. Course description from the University Catalog: This three-hour credit course is designed to explore the relationship of leadership, change, and technology advocacy. Emphasis will be placed on leadership roles that technology educators can take to implement their ideas in schools and on strategies to influence the decisions of policy makers. Additionally, the course will examine how advocacy relates to the functions of leadership and management, life cycle of technology adoption, and transitions of change.

NATURE OF COURSE DELIVERY

The course is structured around readings, reflections on those readings, class projects, and online activities. Using this collection of activities, the methodology of the course seeks to build clear bridges between theoretical/research perspectives, effective leadership principles, and educational practice.

STUDENT OUTCOMES

This course is designed to enable students to:

1. understand the role of teacher leadership in facilitating educational change
2. understand a variety of models of change and the change process
3. understand the role of mentoring in the change process
4. define staff development, state the roles and responsibilities of staff developers, describe effective staff development strategies, and demonstrate the ability to prompt and respond to a variety of staff development challenges
5. understand the role of vision, planning, recruiting allies, and research in supporting teacher leadership activities
6. conduct a range of advocacy activities including preparing position papers, formulating and using talking points, preparing and making presentations, and constructing appropriate media communication, and
7. develop a professional identity that includes a notion of being a teacher leader.

PROFESSIONAL STANDARDS (International Society for Technology Education – NETS for Administrators)

1. Leadership and Vision: Educational leaders inspire a shared vision for comprehensive integration of technology and foster an environment and culture conducive to the realization of that vision. Educational leaders:
   A. facilitate the shared development by all stakeholders of a vision for technology use and widely communicate that vision.
   B. maintain an inclusive and cohesive process to develop, implement, and monitor a dynamic, long-range, and systemic technology plan to achieve the vision.
   C. foster and nurture a culture of responsible risk-taking and advocate policies promoting continuous innovation with technology.
   D. use data in making leadership decisions.
   E. advocate for research-based effective practices in use of technology.
   F. advocate on the state and national levels for policies, programs, and funding opportunities that support implementation of the district technology plan.

2. Learning and Teaching: Educational leaders ensure that curricular design, instructional strategies, and learning environments integrate appropriate technologies to maximize learning and teaching. Educational leaders:
   A. identify, use, evaluate, and promote appropriate technologies to enhance and support instruction and standards-based curriculum leading to high levels of student achievement.
   B. facilitate and support collaborative technology-enriched learning environments conducive to innovation for improved learning.
   C. provide for learner-centered environments that use technology to meet the individual and diverse needs of learners.
   D. facilitate the use of technologies to support and enhance instructional methods that develop higher-level thinking, decision-making, and problem-solving skills.
   E. provide for and ensure that faculty and staff take advantage of quality professional learning opportunities for improved learning and teaching with technology.

3. Productivity and Professional Practice: Educational leaders apply technology to enhance their professional practice and to increase their own productivity and that of others. Educational leaders:
   A. model the routine, intentional, and effective use of technology.
   B. employ technology for communication and collaboration among colleagues, staff, parents, students, and the larger community.
   C. create and participate in learning communities that stimulate, nurture, and support faculty and staff in using technology for improved productivity.
   D. engage in sustained, job-related professional learning using technology resources.
   E. maintain awareness of emerging technologies and their potential uses in education.
   F. use technology to advance organizational improvement.
4. **Support, Management, and Operations:** Educational leaders ensure the integration of technology to support productive systems for learning and administration. Educational leaders:
   A. develop, implement, and monitor policies and guidelines to ensure compatibility of technologies.
   B. implement and use integrated technology-based management and operations systems.
   C. allocate financial and human resources to ensure complete and sustained implementation of the technology plan.
   D. integrate strategic plans, technology plans, and other improvement plans and policies to align efforts and leverage resources.
   E. implement procedures to drive continuous improvement of technology systems and to support technology replacement cycles.

5. **Assessment and Evaluation:** Educational leaders use technology to plan and implement comprehensive systems of effective assessment and evaluation. Educational leaders:
   A. use multiple methods to assess and evaluate appropriate uses of technology resources for learning, communication, and productivity.
   B. use technology to collect and analyze data, interpret results, and communicate findings to improve instructional practice and student learning.
   C. assess staff knowledge, skills, and performance in using technology and use results to facilitate quality professional development and to inform personnel decisions.
   D. use technology to assess, evaluate, and manage administrative and operational systems.

6. **Social, Legal, and Ethical Issues:** Educational leaders understand the social, legal, and ethical issues related to technology and model responsible decision-making related to these issues.
   Educational leaders:
   A. ensure equity of access to technology resources that enable and empower all learners and educators.
   B. identify, communicate, model, and enforce social, legal, and ethical practices to promote responsible use of technology.
   C. promote and enforce privacy, security, and online safety related to the use of technology.
   D. promote and enforce environmentally safe and healthy practices in the use of technology.
   E. participate in the development of policies that clearly enforce copyright law and assign ownership of intellectual property developed with district resources.

**REQUIRED TEXTS:**


COURSE REQUIREMENTS, PERFORMANCE-BASED ASSESSMENT, AND EVALUATION CRITERIA

A. Requirements –

1. Students will read class readings to include the texts.

2. **Online Portfolio (40 points):** Throughout their program of study, students are required to create and continually revise a professional, online portfolio. This portfolio should not be a collection of what the student has done, but rather a reflection of what they have learned. Templates and assistance will be provided during class to assist students in the creation and maintenance of this portfolio. All exhibits in the online portfolio will include a short reflection. At the end of the semester, a comprehensive, semester-wide reflection and supporting samples of work will be added to the portfolio reflecting student learning related the semester’s work.

3. **Online Leadership Mentoring Modules (20 points):** Students will complete a six-week, online course on mentoring. Students will complete each module of the course.

4. **Personal Leadership Plan (20 points):** Students will prepare a nine-part personal leadership plan using the guidelines distributed in class. As each part is completed, students will submit and discuss their developing plan with an online mentor.

5. **Class Participation (20 points):** The class depends heavily on class participation and completion of in class activities. Points will be awarded for participation and completion of these activities.

B. **Performance-Based Assessments** - This course includes two performance-based assessments: an online portfolio and a personal leadership plan. These are described above in Requirements above.

C. **Criteria for evaluation** - Assessment of each performance assessment is guided by a rubric. A series of rubrics distributed in class.

D. **Grading Scale**

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<thead>
<tr>
<th>Requirements</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Online Portfolio</td>
<td>20%</td>
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<tr>
<td>Design Challenges</td>
<td>20%</td>
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<tr>
<td>Comprehensive Unit Plans (20% each)</td>
<td>40%</td>
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<tr>
<td>Class Participation</td>
<td>20%</td>
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<table>
<thead>
<tr>
<th>Grade</th>
<th>Point Range</th>
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<tbody>
<tr>
<td>A</td>
<td>94-100</td>
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<tr>
<td>A-</td>
<td>90-93</td>
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<tr>
<td>B+</td>
<td>86-89</td>
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COLLEGE OF EDUCATION AND HUMAN DEVELOPMENT STATEMENT OF EXPECTATIONS:
All students must abide by the following:

Students are expected to exhibit professional behavior and dispositions. See gse.gmu.edu for a listing of these dispositions.

Students must follow the guidelines of the University Honor Code. See http://www.gmu.edu/catalog/apolicies/#TOC_H12 for the full honor code.

Students must agree to abide by the university policy for Responsible Use of Computing. See http://mail.gmu.edu and click on Responsible Use of Computing at the bottom of the screen.

Students with disabilities who seek accommodations in a course must be registered with the GMU Disability Resource Center (DRC) and inform the instructor, in writing, at the beginning of the semester. See www.gmu.edu/student/drc or call 703-993-2474 to access the DRC.