

**Amended Program to Show Compliance with New State Standards**

**Recommendations from Review Panel Regarding Programs to Prepare  
Teachers of Earth-Space Science (DH)**

June 15, 2004

Institution: Grand Valley State University					
Program Level	Major (# Credits)	Minor (# Credits)	Group Major (# Credits)	Group Minor (# Credits)	Endorsement Only (# Credits)
Elementary					
Secondary	57	24			
K-12					
Source of Standards/Guidelines: Michigan State Board of Education				Pub. Date: August 2002	
<b>Program Assessment Summary/Recommendation</b>					
X	Meets all standards and requirements		Not all standards and requirements are met		Insufficient documentation for program review
X	Approval		Approval Pending		Approval Suspended
<b>Standards/Requirements Not Met:</b>					
<b>Additional information needed/action to be taken:</b>					
<b>Comments:</b>					
<p>In response to Standard 4.0, <i>locate resources, design and conduct inquiry-based open-ended investigations in the earth/space sciences, interpret findings, communicate results, and make judgments based on evidence</i>, Grand Valley State University conducts meaningful local research projects, (radon, groundwater) that enhance the student's familiarity with research. This is to be commended.</p> <p>Reviewers appreciated the fact that the candidates are required to become familiar with the State's GEOREF database.</p> <p>GEO 319 is being used for instructional methods, and the documentation states: "<i>Yes, 319 does address about a third of the weather standards. The course meets two times per week for three hours each session. We spend about three weeks on weather using the NSTA Meteorology book and Datastreme as our primary resources. The goal is too compliment NRM 140 by showing the students what materials are available for them to use in their classrooms and how to use them.</i>", that they are using this course for meeting content standards, however, using a methods class to meet content standards does seem unusual.</p>					