



Midlothian and Chester Campuses

Municipal Separate Storm Sewer System Annual Report

For

General Permit No. VAR040110

Permit Year

July 1, 2023 through June 30, 2024

This annual report is submitted in accordance with 9VAC25-890-40 as part of the requirement for permit coverage to discharge stormwater to surface waters of the Commonwealth of Virginia consistent with the VAR04 General Permit effective per letter dated November 1, 2023.

Submitted: September 30, 2024

TABLE OF CONTENTS

1.0 GENERAL ANNUAL REPORTING REQUIREMENTS.....	1
1.1. General Information (Part I.D.3.a)	1
1.2. Reporting Period (Part I.D.3.b)	1
1.3. Signed Certification (Part I.D.3.c)	1
1.4. Reporting for MCMs #1 - #6 (Part I.D.3.d)	1
1.5. Evaluation of the MS4 Program Implementation (Part I.D.3.e)	2
2.0 MINIMUM CONTROL MEASURES	3
2.1. MCM #1: Public Education and Outreach	3
2.1.1. High Priority Stormwater Issues (Part I.E.1.g(1))	3
2.1.2. High Priority Stormwater Issue Communication Strategies (Part I.E. 1.g(2))	3
2.1.3. Description of Changes in High Priority Stormwater Issues (Part I.E. 1.g(3))	4
2.1.4. Description of Activities Regarding Climate Change (Part I.E. 1.g(4)).....	4
2.1.5. MCM #1 Evaluation (Part I.D.3.e)	5
2.2. MCM #2: Public Involvement and Participation	6
2.2.1. Public Input Summary (Part I.E.2.i(1))	6
2.2.2. Summary of Stormwater Pollution Complaints (Part I.E.2.i(2)).....	6
2.2.3. MS4 Program and Stormwater Webpage (Part I.E.2.i(3)).....	6
2.2.4. Internal MS4 Program Webpage (Part I.E.2.i(4)).....	6
2.2.5. Public Involvement Activities Implemented (Part I.E.2.i(5)).....	7
2.2.6. Public Education and Outreach Regarding Climate Change (Part I.E.2.i(6))	7
2.2.7. Public Involvement Activity Metric and Evaluation (Part I.E.2.i(7))	7
2.2.8. MS4 Collaboration (Part I.E.2.i(8)).....	8
2.2.9. MCM #2 Evaluation (Part I.D.2.e)	8
2.3. MCM #3: Illicit Discharge Detection and Elimination.....	9
2.3.1. MS4 Map and Information Table (Part I.E.3.e(1)).....	9
2.3.2. Dry Weather Screening (Part I.E.3.e(2))	9
2.3.3. Illicit Discharges (Part I.E.3.e(3)).....	9
2.3.4. MCM #3 Evaluation (Part I.D.2.e)	9
2.4. MCM #4: Construction Site Stormwater Runoff and Erosion and Sediment Control.....	11
2.4.1. Implementation of Standards and Specifications (Part I.E.4.a(3))	11
2.4.1.1. Site Stormwater Runoff Inspections (Part I.E.4.e(1)).....	11
2.4.1.2. Enforcement Actions (Part I.E.4.e(2))	11
2.4.1.3. Land Disturbance w/ Standards & Specifications (Part I.E.4.e(3)(a)).....	11
2.4.2. MCM #4 Evaluation (Part I.D.3.e)	12
2.5. MCM #5: Post-Construction Stormwater Management.....	13
2.5.1. Implementation of Standards and Specifications (Part I.E.5.a(4))	13
2.5.2. Stormwater Management Facility Inspections (Part I.E.5.e(2))	13
2.5.3. Stormwater Management Facility Maintenance (Part I.E.5.e(3)).....	13

- 2.5.4. DEQ BMP Warehouse Reporting New BMPs (Part I.E.5.e(5))..... 14
- 2.5.5. DEQ BMP Warehouse Reporting Existing BMP Inspections (Part I.E.5.e(6)) 14
- 2.5.6. MCM #5 Evaluation (Part I.D.3.e) 14
- 2.6. MCM #6: Pollution Prevention and Good Housekeeping 15
 - 2.6.1. Operational Procedures (Part I.E.6.y(1)) 15
 - 2.6.2. High Priority Facilities Review (Part I.E.6.y(2))..... 15
 - 2.6.3. Newly Developed SWPPPs (Part I.E.6.y(3))..... 15
 - 2.6.4. Modified SWPPPs (Part I.E.6.y(4))..... 15
 - 2.6.5. Delisted SWPPPs (Part I.E.6.y(5)) 16
 - 2.6.6. Nutrient Management Plans status (Part I.E.6.y(6))..... 16
 - 2.6.7. Training Events (Part I.E.6.y(7)) 17
 - 2.6.8. MCM #6 Evaluation (Part I.D.3.e) 17
- 3.0 LOCAL TMDL ACTION PLANS 18
 - 3.1. Bacteria Action Plans (Part II.B.5)..... 18
 - 3.1.1. James River Tidal Bacteria TMDL Implementation 18

APPENDICES

Appendix A: Documentation of Public Education and Outreach Activities

Appendix B: Documentation of Public Involvement Activities

TABLES

Table 1: Summary of MS4 Program Plan Changes	2
Table 2: High Priority Stormwater Issues.....	3
Table 3: Description of Changes in High Priority Stormwater Issues.....	4
Table 4: Responses to Public Comments on the MS4 Program Plan	6
Table 5: Responses to Stormwater Pollution Complaints.....	6
Table 6: Public Involvement Activities Implemented	7
Table 7: Illicit Discharges	9
Table 8: Construction Project(s) Inspections and Compliance Actions and Enforcement.....	11
Table 9: Maintenance Activities Performed on Stormwater Management Facilities	13
Table 10: Good Housekeeping Operational Procedures Developed or Modified	15
Table 11: New SWPPPs Developed	15
Table 12: Modified SWPPPs	16
Table 13: Delisted SWPPPs.....	16
Table 14: Turf and Landscape Nutrient Management Plans	16
Table 15: Training Activities	17
Table 16: James River Tidal Bacteria TMDL Action Plan Summary of Actions	18

ACRONYMS

BMP	Best Management Practices
DEQ	Virginia Department of Environmental Quality
IDDE	Illicit Discharge Detection and Elimination
MCM	Minimum Control Measure
MS4	Municipal Separate Storm Sewer System
POC	Pollutants of Concern
SWPPP	Stormwater Pollution Prevention Plan
TMDL	Total Maximum Daily Load
VPDES	Virginia Pollution Discharge Elimination System
WLA	Wasteload Allocation

1.0 GENERAL ANNUAL REPORTING REQUIREMENTS

1.1. General Information (Part I.D.3.a)

Permittee Name: Brightpoint Community College

System Name: Virginia Community College System

Permit Number: VAR040110

1.2. Reporting Period (Part I.D.3.b)

The reporting period for which the annual report is being submitted.

July 1, 2023 through June 30, 2024

1.3. Signed Certification (Part I.D.3.c)

A signed certification as per Part IV K.

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Printed Name: Arnold Kramer

Title: Director of Facilities and Safety

Signature: Arnold Kramer Date: 9/30/24

1.4. Reporting for MCMs #1 - #6 (Part I.D.3.d)

Include information for each annual reporting item specified in Part I.E.

Reporting information for each Minimum Control Measure is provided in Section 2.0.

1.5. Evaluation of the MS4 Program Implementation (Part I.D.3.e)

An evaluation of the MS4 program implementation, including a review of each MCM to determine the MS4 program’s effectiveness and whether changes to the MS4 Program Plan are necessary.

An evaluation for each Minimum Control Measure is provided in Section 2.0. Changes that are necessary to be made to the MS4 Program Plan are summarized in Table 1.

Table 1: Summary of MS4 Program Plan Changes

No changes required.

2.0 MINIMUM CONTROL MEASURES

2.1. MCM #1: Public Education and Outreach

2.1.1. High Priority Stormwater Issues (Part I.E.1.g(1))

A list of high-priority stormwater issues addressed in the public education and outreach program.

A list of high-priority stormwater issues addressed in public education and outreach program is provided in Table 2.

2.1.2. High Priority Stormwater Issue Communication Strategies (Part I.E. 1.g(2))

A summary of the public education and outreach activities conducted for the report year, including the strategies used to communicate the identified high-priority issues.

A summary of the public education and outreach activities conducted for the report year, including the strategies used to communicate the identified high-priority issues is provided in Table 2. Appendix A includes documentation of the communication efforts described in Table 2.

Table 2: High Priority Stormwater Issues						
#	Stormwater Issue	Strategy	Communication	Metric	Beneficial	Included Climate Change Education
1	Public education on stormwater runoff	Traditional written materials	Information distributed via email in April 2024 to all students, faculty, and staff	Seen by approximately 7,000 students, 600 faculty and staff	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
2	TMDLs and Local Impaired Waters	Media materials	Slides on monitors for a month in January 2024	Seen by approximately 500 students, faculty and staff	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

3	Pollution Prevention	Signage	Storm Drain Markers No Dumping! Drains to the Swift Creek Reservoir, Redwater & Ashton Creeks	11 installed at Midlothian Campus and 9 at the Chester Campus. Seen by approximately 3,500 students, 300 faculty and staff	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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2.1.3. Description of Changes in High Priority Stormwater Issues (Part I.E. 1.g(3))

A description of any changes in high-priority stormwater issues, including strategies used to communicate high-priority stormwater issues or target audiences for the public education and outreach plan. The permittee shall provide a rationale for any of these changes.

A description of any changes in high-priority stormwater issues and rationale for any of these changes are provided in Table 3. The changes to the strategies used to communicate high-priority stormwater issues or target audiences for the public education and outreach plan are provided in Table 2.

Table 3: Description of Changes in High Priority Stormwater Issues			
#	Stormwater Issue	Description of Any Changes	Rationale for Changes
1	Public education on stormwater runoff	Not Applicable	Not Applicable
2	TMDLs and Local Impaired Waters	Not Applicable	Not Applicable
3	Pollution Prevention	Not Applicable	Not Applicable

2.1.4. Description of Activities Regarding Climate Change (Part I.E. 1.g(4))

A description of public education and outreach activities conducted that included education regarding climate change.

A description of public education and outreach activities conducted that included education regarding climate change is provided in Table 2.

2.1.5. MCM #1 Evaluation (Part I.D.3.e)

Review the MCM to determine the MS4 Program's effectiveness and whether or not changes to the MS4 Program Plan are necessary.

Were all MCM #1 measurable goals completed in accordance with the MS4 Program Plan?

Yes No ()

Are the MS4 Program measurable goals effective?

Yes (Effective) No (Ineffective, necessary changes to the MS4 Program are included in Section 1.5.)

2.2. MCM #2: Public Involvement and Participation

2.2.1. Public Input Summary (Part I.E.2.i(1))

A summary of any public comments on the MS4 program received and the responses.

Were any public comments on the MS4 Program received?

Yes, responses are provided in Table 4. No

Table 4: Responses to Public Comments on the MS4 Program Plan		
#	Comments	Responses
1		
2		

2.2.2. Summary of Stormwater Pollution Complaints (Part I.E.2.i(2))

A summary of stormwater pollution complaints received under the procedures established in Part I.E.2.a(1), excluding natural flooding complaints, and how the permittee responded.

Were any stormwater pollution complaints received under the procedures established in Part I.E.2.a(1), excluding natural flooding complaints?

Yes, responses are provided in Table 5. No

Table 5: Responses to Stormwater Pollution Complaints		
#	Comments	Responses
1		
2		

2.2.3. MS4 Program and Stormwater Webpage (Part I.E.2.i(3))

A webpage address to the MS4 program and stormwater website.

The webpage address is <https://www.brightpoint.edu/index.php?/about/sustainability/>

2.2.4. Internal MS4 Program Webpage (Part I.E.2.i(4))

Federal and state nontraditional permittees with security policies preventing the MS4 program and stormwater pollution prevention webpage from being publicly accessible utilizing an internal staff accessible website, such as intranet, shall provide evidence of the current internal MS4 program and stormwater pollution prevention webpage.

Is there an internal MS4 program and stormwater pollution prevention webpage?

Yes, No

2.2.5. Public Involvement Activities Implemented (Part I.E.2.i(5))

A description of the public involvement activities implemented including any efforts to reach out and engage all economic and ethnic groups.

A description of the implemented public involvement activities are provided in Table 6.

2.2.6. Public Education and Outreach Regarding Climate Change (Part I.E.2.i(6))

A description of the public education and outreach activities conducted that also included education regarding climate change.

A description of the public education and outreach activities conducted that also included education regarding climate change is provided in Table 6.

2.2.7. Public Involvement Activity Metric and Evaluation (Part I.E.2.i(7))

A report of the metric as defined for each activity and an evaluation as to whether or not the activity is beneficial to improving water quality.

A report of the metric as defined for each activity and an evaluation as to whether or not the activity is beneficial to improving water quality is provided in Table 6. Appendix B includes documentation of the public involvement activities.

Table 6: Public Involvement Activities Implemented						
#	Activity Description /Date	Category	Metric	Collaboration	Included Climate Change Education	Beneficial to Improving Water Quality
1	Watershed Clean up Event at Pony Pasture, Richmond Fall 2023	Restoration	20 participants & 20 bags of trash	No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
2	Watershed Clean up Event at Pony Pasture, Richmond 3/22/24	Restoration	25 participants & 29 bags of trash	No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3	Watershed Clean up Event at Great Shiplock Park, Richmond 4/26/24	Restoration	9 participants & 2 industrial size bags	James River Park System	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

4	Environmental Science Class Curriculum Fall Semester 2023 & Spring Semester 2024	Educational	172 students	No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
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2.2.8. MS4 Collaboration (Part I.E.2.i(8))

The name of other MS4 permittees collaborated with in the public involvement opportunities.

If applicable, the name of other MS4 permittees collaborated with for any of the public involvement opportunities are provided in Table 6.

2.2.9. MCM #2 Evaluation (Part I.D.2.e)

Review the MCM to determine the MS4 Program’s effectiveness and whether or not changes to the MS4 Program Plan are necessary.

Were all MCM #2 measurable goals completed in accordance with the MS4 Program Plan?

Yes No ()

Are the MS4 Program measurable goals effective?

Yes (Effective) No (Ineffective, necessary changes to the MS4 Program are included in Section 1.5.)

2.3. MCM #3: Illicit Discharge Detection and Elimination

2.3.1. MS4 Map and Information Table (Part I.E.3.e(1))

A confirmation statement that the MS4 map and information table have been updated to reflect any changes to the MS4 occurring on or before June 30 of the reporting year.

Were the MS4 map and outfall information table updated to reflect any changes to the MS4 occurring on or before June 30 of the reporting year? Yes No ()

2.3.2. Dry Weather Screening (Part I.E.3.e(2))

The total number of outfalls and observation points screened during the reporting period as part of the dry weather screening program.

The number of outfalls and observation points screened during the reporting year as part of the dry weather screening program is 11.

2.3.3. Illicit Discharges (Part I.E.3.e(3))

A list of illicit discharges to the MS4 including spills reaching the MS4.

Were there any illicit discharges to the MS4 including spills reaching the MS4?

Yes (Refer to Table 7) No

Table 7: Illicit Discharges

Illicit Discharge Not Applicable

Part I.E.3.e(3)(a) Location and Source:

Part I.E.3.e(3)(b) Date Observed & Date Reported:

Part I.E.3.e(3)(c) Detected during Screening, Reported by Public or Other (Describe):

Part I.E.3.e(3)(d) Investigation Resolution:

Part I.E.3.e(3)(e) Description of Follow-up Activities:

Part I.E.3.e(3)(f) Date Investigation Closed:

2.3.4. MCM #3 Evaluation (Part I.D.2.e)

Review the MCM to determine the MS4 Program's effectiveness and whether or not changes to the MS4 Program Plan are necessary.

Were all MCM #3 measurable goals completed in accordance with the MS4 Program Plan?

Yes No ()

Are the MS4 Program measurable goals effective?

Yes (Effective) No (Ineffective, necessary changes to the MS4 Program are included in Section 1.5.)

2.4. MCM #4: Construction Site Stormwater Runoff and Erosion and Sediment Control

2.4.1. Implementation of Standards and Specifications (Part I.E.4.a(3))

The nontraditional MS4 implements a construction site stormwater runoff program in accordance with the most recent DEQ approved Standards and Specifications in compliance with the Virginia Erosion and Sediment Control Law and Virginia Erosion and Sediment Control Regulations.

2.4.1.1. Site Stormwater Runoff Inspections (Part I.E.4.e(1))

Total number of erosion and sediment control inspections conducted.

The total number of erosion and sediment control inspections conducted are provided in Table 8.

2.4.1.2. Enforcement Actions (Part I.E.4.e(2))

The total number and each type of compliance actions and enforcement implemented.

The total number of compliance actions implemented which include Notices of Violations (Red Flags) and Stop Work Orders (Black Flags) are provided in Table 8.

Table 8: Construction Project(s) Inspections and Compliance Actions and Enforcement		
Total Number of Inspections	Total Number of Notices of Violation Issued (Red Flags)	Total Number of Stop Work Orders Issued (Black Flags)
0	0	0

2.4.1.3. Land Disturbance w/ Standards & Specifications (Part I.E.4.e(3)(a))

A confirmation statement that land disturbing projects that occurred during the reporting period have been conducted in accordance with the current department approved annual standards and specifications for erosion and sediment control.

Were all land disturbing projects that occurred during the reporting period conducted in accordance with the current department approved standards and specifications for erosion and sediment control?

Yes No Not Applicable (No land disturbing projects)

2.4.2. MCM #4 Evaluation (Part I.D.3.e)

Review the MCM to determine the MS4 Program's effectiveness and whether or not changes to the MS4 Program Plan are necessary.

Were all MCM #4 measurable goals completed in accordance with the MS4 Program Plan?

Yes No ()

Are the MS4 Program measurable goals effective?

Yes (Effective) No (Ineffective, necessary changes to the MS4 Program are included in Section 1.5.)

2.5. MCM #5: Post-Construction Stormwater Management

2.5.1. Implementation of Standards and Specifications (Part I.E.5.a(4))

The nontraditional MS4 implements the most recent DEQ approved standards and specifications in accordance with the Virginia the Virginia Stormwater Management Act (§ 62.1-44.15:24 et seq. of the Code of Virginia) and VSMP Regulations (9VAC25-870), and maintains an inspection and maintenance program in accordance with Part I E 5 b.

2.5.2. Stormwater Management Facility Inspections (Part I.E.5.e(2))

Total number of inspections conducted on stormwater management facilities owned or operated by the permittee.

The total number of inspections conducted on stormwater management facilities are 16.

2.5.3. Stormwater Management Facility Maintenance (Part I.E.5.e(3))

A description of significant maintenance, repair, or retrofit activities performed on the stormwater management facilities owned or operated by the permittee to ensure it continues to perform as designed. This does not include routine activities such as grass mowing or trash collection.

Were any significant maintenance, repairs, or retrofit activities performed on any stormwater management facilities during the reporting year?

Yes No () Not Applicable (No significant maintenance required)

If yes, a description of significant maintenance, repair, or retrofit activities performed on the stormwater management facilities owned or operated by the MS4 to ensure it continues to perform as designed is provided in Table 9.

Table 9: Maintenance Activities Performed on Stormwater Management Facilities

Stormwater Management Facility	Significant Maintenance Activity

2.5.4. DEQ BMP Warehouse Reporting New BMPs (Part I.E.5.e(5))

A confirmation statement that the permittee electronically reported stormwater management facilities using the BMP Warehouse in accordance with Part III B 1 and 2.

Did the MS4 electronically report using the DEQ BMP Warehouse any stormwater management facilities installed that disturbed less than one acre and for which a General VPDES Permit for Discharges of Stormwater Construction Activities was not required and BMPs implemented as part of a TMDL action plan to achieve nitrogen, phosphorous, and total suspended solids reductions?

Yes No () Not Applicable (No qualifying SMFs)

2.5.5. DEQ BMP Warehouse Reporting Existing BMP Inspections (Part I.E.5.e(6))

A confirmation statement that the permittee electronically reported stormwater management facilities inspected using the DEQ BMP Warehouse in accordance with Part III B 5.

Did the MS4 electronically report using the DEQ BMP Warehouse stormwater management facilities inspections information?

Yes No ()

2.5.6. MCM #5 Evaluation (Part I.D.3.e)

Review the MCM to determine the MS4 program’s effectiveness and whether or not changes to the MS4 Program Plan are necessary.

Were all MCM #5 measurable goals completed in accordance with the MS4 Program Plan?

Yes No ()

Are the MS4 Program measurable goals effective?

Yes (Effective) No (Ineffective, necessary changes to the MS4 Program are included in Section 1.5.)

2.6. MCM #6: Pollution Prevention and Good Housekeeping

2.6.1. Operational Procedures (Part I.E.6.y(1))

A summary of any written procedures developed or modified in accordance with Part I E 6 a and b during the reporting period.

Were any operational procedures developed or modified in accordance with Part I E 6 a during the reporting period?

Yes (Refer to Table 10) No (No modifications required.)

Table 10: Good Housekeeping Operational Procedures Developed or Modified

Revised in accordance with the 2023 - 2028 MS4 General Permit.

2.6.2. High Priority Facilities Review (Part I.E.6.y(2))

A confirmation statement that all high-priority facilities were reviewed to determine if SWPPP coverage is needed during the reporting period.

Were all high-priority facilities reviewed to determine if SWPPP coverage is needed during the reporting period?

Yes No ()

2.6.3. Newly Developed SWPPPs (Part I.E.6.y(3))

A list of any new SWPPPs developed in accordance Part I E 6 i during the reporting period.

Were any new SWPPPs developed in accordance Part I E 6 i during the reporting period?

Yes (Refer to Table 11) No () Not Applicable (No new high priority facilities)

Table 11: New SWPPPs Developed

SWPPP Name	SWPPP Address

2.6.4. Modified SWPPPs (Part I.E.6.y(4))

A summary of any SWPPPs modified in accordance with Part I E 6 j, 6 l, or 6 m.

Were any SWPPPs modified after an unauthorized discharge, release or spill reported?

Yes (Refer to Table 12) No () Not Applicable (No modifications required)

Table 12: Modified SWPPPs	
SWPPP Name	SWPPP Address

2.6.5. Delisted SWPPPs (Part I.E.6.y(5))

The rationale of any high priority facilities delisted in accordance with Part I E 6 l or m during the reporting period.

Were any high priority facilities delisted in accordance with Part I.E.6 l or m during the reporting period?

Yes (Refer to Table 13) No

Table 13: Delisted SWPPPs	
Delisted SWPPPs	Rationale for Delisting

2.6.6. Nutrient Management Plans status (Part I.E.6.y(6))

The status of each nutrient management plan as of June 30 of the reporting year (e.g., approved, submitted and pending approval, and expired).

Refer to Table 14 for the status of each nutrient management plan as of June 30 of the reporting year.

Table 14: Turf and Landscape Nutrient Management Plans	
Nutrient Management Plan	Status
Chester Campus	Approved
Midlothian Campus	Approved

2.6.7. Training Events (Part I.E.6.y(7))

A list of the training activities conducted in accordance with Part I.E.6.d, including the following information: (a) The completion date for the training activity; (b) The number of employees who completed the training activity; and (c) The objectives and good housekeeping procedures covered by the training activity.

Was training conducted?

Yes (See Table 15) No () Not Applicable (Not required this report year)

Table 15: Training Activities		
Dates	# of Employees	Training Objectives and Good Housekeeping Procedures Covered

2.6.8. MCM #6 Evaluation (Part I.D.3.e)

Review the MCM to determine the MS4 Program’s effectiveness and whether or not changes to the MS4 Program Plan are necessary.

Were all MCM #6 measurable goals completed in accordance with the MS4 Program Plan?

Yes No ()

Are the MS4 Program measurable goals effective?

Yes (Effective) No (Ineffective, necessary changes to the MS4 Program are included in Section 1.5.)

3.0 LOCAL TMDL ACTION PLANS

3.1. Bacteria Action Plans (Part II.B.5)

3.1.1. James River Tidal Bacteria TMDL Implementation

A summary of actions conducted to implement each local TMDL action plan.

A summary of actions conducted to implement the James River Tidal Bacteria TMDL is provided in Table 16.

Table 16: James River Tidal Bacteria TMDL Action Plan Summary of Actions		
Strategy	Summary of Actions	Completion
Educate the public on how to reduce food sources accessible to urban wildlife.	Distribution of an educational brochure.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Appendix A: Documentation of Public Education and Outreach Activities

High Priority Stormwater Issue #1

From: [Meadows, Jerry](#)
To: [Meadows, Jerry](#)
Date: Monday, April 29, 2024 8:28:29 AM
Attachments: [image001.jpg](#)
[image003.png](#)
[image004.jpg](#)

Greetings Brightpoint Faculty & Staff,

As part of the college's ongoing education and outreach reference safety, please review the information below & attached.

Protecting our watersheds/What is MS4?

Do you know what MS4 stands for? It stands for **M**unicipal **S**eparate **S**torm **S**ewer **S**ystems. Discharges from MS4s are regulated under the Virginia Storm Water Management Act, the Virginia Stormwater Management Program (VSMP), and the EPAs Clean Water Act. Brightpoint Community College's storm water discharges are regulated under this federal and state program. As part of our permit responsibilities, Brightpoint submits an [MS4 Report](#) to the Virginia Department of Environmental Quality, to show that we are meeting our established BMP's (Best Management Practices).

What is a watershed?

A watershed is an area of land that drains all the streams and rainfall to a common outlet such as the outflow of a reservoir, mouth of a bay, or any point along a stream channel. The word watershed is sometimes used interchangeably with drainage basin or catchment. [We all live in a watershed](#), and our individual actions can directly affect it. Pollutants that dump into our water ways not only contaminate our drinking water, but they also kill wildlife that inhabit the watershed.

Where is Brightpoint's watershed?

All precipitation and water draining from the Midlothian Campus flows into Tomahawk Creek and then into the Swift Creek Reservoir. The Chester Campus drains in two directions. The east side of Chester Campus drains into Redwater Creek, a tributary of Proctors Creek, and ultimately to the James River. The west side of Chester Campus drains to Ashton Creek, a tributary of the Appomattox River. Both Chester and Midlothian watersheds flow into a larger watershed which is the Chesapeake Bay. The Chesapeake Bay Watershed covers 64,000 square miles and drains from six states, including the Commonwealth of Virginia.

What is Brightpoint doing to protect our watershed?

Through [Brightpoint's MS4 program](#), Brightpoint aims to be good environmental and community stewards by preventing pollution, providing resources for detecting/eliminating illicit discharges, and promoting awareness to our students, staff, and service region.

How can I help?

- Conserve water every day. Take shorter showers, fix leaks & turn off the water when not in use.
- Don't pour toxic household chemicals down the drain; take them to a hazardous waste center.
- Use hardy plants that require little or no watering, fertilizers or pesticides in your yard.
- Do not over apply fertilizers. Consider using organic or slow release fertilizers instead.
- Recycle yard waste in a compost pile & use a mulching mower.
- Use surfaces like wood, brick or gravel for decks & walkways; allows rain to soak in & not run off.
- Never pour used oil or antifreeze into the storm drain or the street.
- Pick up after your dog, and dispose of the waste in the toilet or the trash.
- Drive less—walk or bike; many pollutants in our waters come from car exhaust and car leaks.
- Report any illicit discharges
 - Brightpoint Chester Campus – 804-796-4025
 - Brightpoint Midlothian Campus – 804-897-6678
 - Chesterfield County – 804-717-6161
 - VDOT – 800-663-4188

Additional Resources

<http://water.epa.gov/action/weatherchannel/>

V/R,

Jerry Meadows
Safety & Health Manager
Brightpoint Community College
Office: 804-594-1414
Cell: 907-414-3796

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From: [Walker, Holly](#)
Subject: FW: MS4 Program
Date: Thursday, May 2, 2024 5:40:16 PM
Attachments: [image001.jpg](#)
[image003.png](#)
[image002.jpg](#)

Good afternoon students.

Please see the email below from Jerry Meadows, Brightpoint's safety and health manager. Questions? Please contact Jerry Meadows at Jmeadows@brightpoint.edu.

=====

Greetings Brightpoint Students,

As part of the college's ongoing education and outreach reference safety, please review the information below & attached.

Protecting our watersheds/What is MS4?

Do you know what MS4 stands for? It stands for **M**unicipal **S**eparate **S**torm **S**ewer **S**ystems. Discharges from MS4s are regulated under the Virginia Storm Water Management Act, the Virginia Stormwater Management Program (VSMP), and the EPA's Clean Water Act. Brightpoint Community College's storm water discharges are regulated under this federal and state program. As part of our permit responsibilities, Brightpoint submits an [MS4 Report](#) to the Virginia Department of Environmental Quality, to show that we are meeting our established BMP's (Best Management Practices).

What is a watershed?

A watershed is an area of land that drains all the streams and rainfall to a common outlet such as the outflow of a reservoir, mouth of a bay, or any point along a stream channel. The word watershed is sometimes used interchangeably with drainage basin or catchment. [We all live in a watershed](#), and our individual actions can directly affect it. Pollutants that dump into our water ways not only contaminate our drinking water, but they also kill wildlife that inhabit the watershed.

Where is Brightpoint's watershed?

All precipitation and water draining from the Midlothian Campus flows into Tomahawk Creek and then into the Swift Creek Reservoir. The Chester Campus drains in two directions. The east side of Chester Campus drains into Redwater Creek, a tributary of Proctors Creek, and ultimately to the James River. The west side of Chester Campus drains to Ashton Creek, a tributary of the Appomattox River. Both Chester and Midlothian watersheds flow into a larger watershed which is the Chesapeake Bay. The Chesapeake Bay Watershed covers 64,000 square miles and drains from six states, including the Commonwealth of Virginia.

What is Brightpoint doing to protect our watershed?

Through [Brightpoint's MS4 program](#), Brightpoint aims to be good environmental and community stewards by preventing pollution, providing resources for detecting/eliminating illicit discharges, and promoting awareness to our students, staff, and service region.

How can I help?

- Conserve water every day. Take shorter showers, fix leaks & turn off the water when not in use.
- Don't pour toxic household chemicals down the drain; take them to a hazardous waste center.
- Use hardy plants that require little or no watering, fertilizers or pesticides in your yard.
- Do not over apply fertilizers. Consider using organic or slow release fertilizers instead.
- Recycle yard waste in a compost pile & use a mulching mower.
- Use surfaces like wood, brick or gravel for decks & walkways; allows rain to soak in & not run off.
- Never pour used oil or antifreeze into the storm drain or the street.
- Pick up after your dog, and dispose of the waste in the toilet or the trash.
- Drive less—walk or bike; many pollutants in our waters come from car exhaust and car leaks.
- Report any illicit discharges
 - Brightpoint Chester Campus – 804-796-4025
 - Brightpoint Midlothian Campus – 804-897-6678
 - Chesterfield County – 804-717-6161
 - VDOT – 800-663-4188

Additional Resources

<http://water.epa.gov/action/weatherchannel/>

Holly W. Walker (she/her)
Director of Communications and Public Relations
Brightpoint Community College
office: 804-594-1530
email: hwalker@brightpoint.edu
brightpoint.edu

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High Priority Stormwater Issue #2

From: [Meadows, Jerry](#)
To: [Kendrick, Lisa](#)
Subject: RE: Stormwater slides for CCTV
Attachments: [image001.png](#)
[BCC Stormwater Slides CCTV.pptx](#)

Fantastic! Thank you!

Is it possible to run it for a month?

V/R,

Jerry Meadows
Safety & Health Manager
Brightpoint Community College
Office: 804-594-1414
Cell: 907-414-3796

cid:image001.png@01D89062.5FCE9B00



From: Kendrick, Lisa <Lkendrick@brightpoint.edu>
Sent: Wednesday, January 3, 2024 8:32 AM
To: Meadows, Jerry <Jmeadows@brightpoint.edu>
Subject: Re: Stormwater slides for CCTV

Hi Jerry. Yes, I can help with that. Just send me the slides in either PowerPoint, publisher or jpeg and let me know how long you want them to run.

Lisa

Lisa Kendrick (she/her)
Office and Events Specialist
Brightpoint Community College
office: 804-594-1527
email: lkendrick@brightpoint.edu
brightpoint.edu

From: Meadows, Jerry <Jmeadows@brightpoint.edu>
Sent: Wednesday, January 3, 2024 8:21 AM
To: Kendrick, Lisa <Lkendrick@brightpoint.edu>
Subject: Stormwater slides for CCTV

Good morning Lisa,

I was given your name by Allen Murfee. He said you may be able to help me get slides added to the

CCTV rotation throughout both campuses? If so, please let me know what you need from me and I'll get right on it.

Thank you so much for your time. Have a great day!

V/R,

Jerry Meadows
Safety & Health Manager
Brightpoint Community College
Office: 804-594-1414
Cell: 907-414-3796

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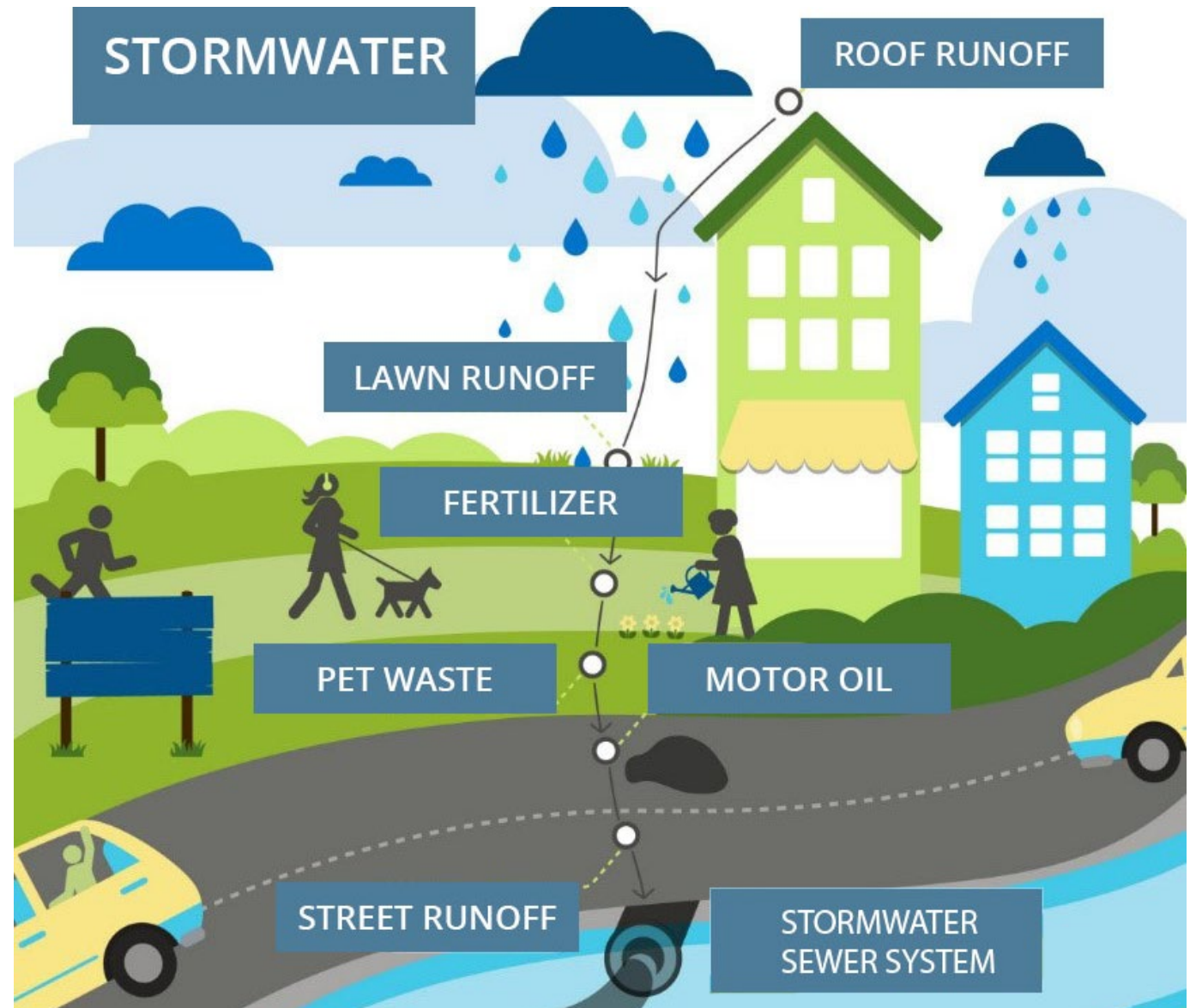


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Pollutants are Carried Away in Stormwater Runoff

When it rains on roofs, lawns and streets, stormwater picks up fertilizer, pet waste, motor oil, sediment and other pollutants carrying the pollutants to a stormwater sewer system or ditch that leads to a local waterway.





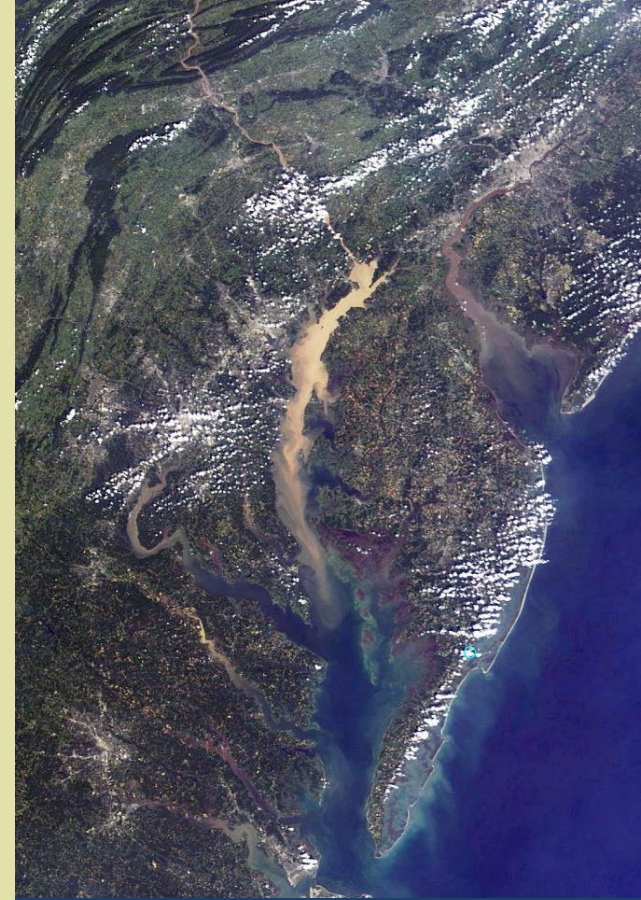
STORMWATER RUNOFF PICKS UP POLLUTANTS AFTER A RAINFALL.



POLLUTANT LADEN RUNOFF FLOWS INTO STORM SEWER SYSTEMS.



STORM SEWER INLETS DRAIN DIRECTLY INTO OUR LOCAL WATERBODIES.



OUR LOCAL WATERBODIES FLOW INTO THE CHESAPEAKE BAY & TO THE OCEAN.

Impacts of Stormwater Runoff

Pollutants adversely affect the health of local waterways, Chesapeake Bay & ocean.

Bacteria as a Pollutant

Pollutant sources of bacteria are wildlife, livestock and pet waste, sanitary sewer overflows and combined sanitary and storm sewer systems.

Improperly disposed of animal waste and human waste from sanitary overflows cause high levels of bacteria (E.coli) in waterways.



James River Bacteria TMDL



BCC discharges into a tributary of the James River. The James River is impaired for bacteria.



Reduce food sources accessible to urban wildlife. Do not feed groundhogs and birds on campus.



High Priority Stormwater Issue #3

From: [Kramer, Arnold "Chip"](#)
To: [Meadows, Jerry](#)
Subject: FW: Storm Drain Markers
Date: Wednesday, June 12, 2024 10:20:12 AM
Attachments: [image001.png](#)

FYI

Chip Kramer, MPA

Director of Facilities and Safety
Brightpoint Community College
phone: 804-840-8354
email: akramer@brightpoint.edu
brightpoint.edu

cid:image001.png@01D89062.5FCE9B00



From: Albright, James E. <jalbright@brightpoint.edu>
Sent: Wednesday, June 12, 2024 10:12 AM
To: Kramer, Arnold "Chip" <Akramer@brightpoint.edu>
Subject: Storm Drain Markers

At Midlothian, Chris identified 50 total drains and replaced 11 markers. At Chester, Jay identified 50 total drains and replaced 9 markers.

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Appendix B: Documentation of Public Involvement Activities

Public Involvement Activity #1

MS4 Public Involvement Activities 2023- 2024: Watershed Clean-ups

Date	Participants	Accomplishments	Summary of Event
Fall 2023	20	20 bags of trash collected	Students and faculty spent approximately 2 hours of remediation at Pony Pasture in Richmond
22-Mar-24	25	29 bags of trash collected	Students and faculty spent approximately 2 hours of remediation at Pony Pasture in Richmond
26-Apr-24	9	2 industrial size trash bags	Students and faculty spent approximately 2 hours of remediation at Great Shiplock Park in Richmond.

Public Involvement Activity #2

**Brightpoint Pre-Law Club and
Ethics Students are sponsoring:
Pony Pasture Water Clean Up**



March 22nd, 10 (sharp) – noon

We provide trash bags and guidance.

Wear weather appropriate clothing and sturdy shoes or boots.

Bring friends and family and join the Brightpoint community!

Public Involvement Activity #3

From: [Meadows, Jerry](#)
To: [Sara Shelton](#)
Subject: Fw: Cleanup Event - Spring 2024
Date: Friday, June 14, 2024 1:24:54 PM
Attachments: [Outlook-chobxyho.png](#)

Good afternoon Sara,

Here is the roster and a pic from the April 2024 event. I'm still working on getting info from the Fall 2023 event.

Jerry Meadows
Health & Safety Manager
Brightpoint Community College
907-414-3796



From: Gonzalez, Molli <mgonzalez@brightpoint.edu>
Sent: Thursday, June 13, 2024 3:20 PM
To: Meadows, Jerry <jmeadows@brightpoint.edu>
Subject: RE: Cleanup Events

Here is an overview of attendance and a picture we snapped:

- Molli Gonzalez (PTK advisor/faculty)
- Sarah Huss (PTK advisor/faculty)
- Jill Anderson (PTK advisor/faculty)
- Michael Means (faculty)
- Janet Arnold (faculty and her son whose name I don't have and he is not pictured)
- Jasmine Irving (student- so FERPA may apply)
- Paula Labieniec (plus 1 student whose name I don't have and FERPA)



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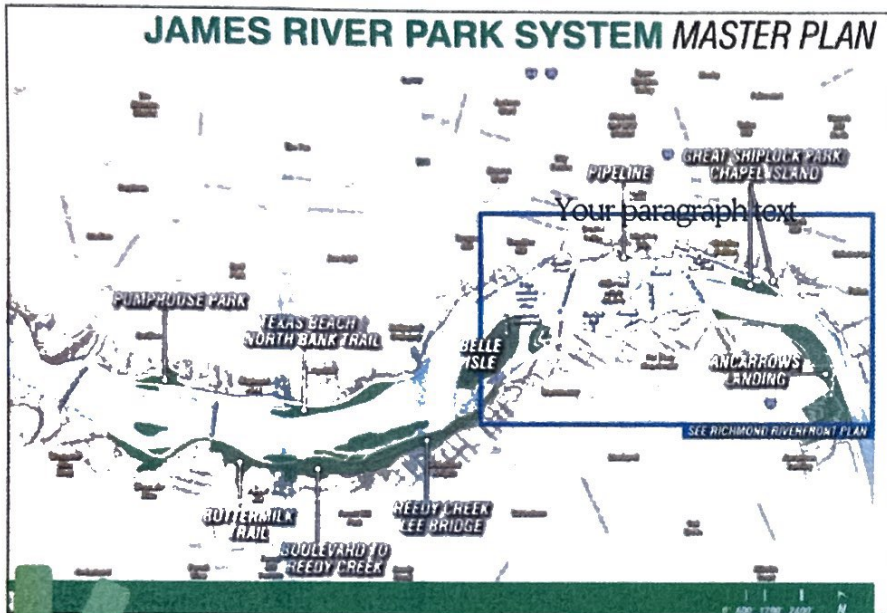


PHI THETA KAPPA
HONOR SOCIETY



Brightpoint
COMMUNITY COLLEGE

James River Cleanup



Join us on Friday-April 26th
from 10-12pm!!

We will meet at Great Shiplock Park!

Trash bags and gloves provided!

Bring a friend and meet up with us!!

Address: 2803 Dock St. Richmond, VA
(parking lot on Pear & Dock)

janderson@brightpoint.edu for questions

Public Involvement Activity #4

 Edit


[Institutional Policies](https://vccs.instructure.com/courses/635828/pages/institutional-policies) (<https://vccs.instructure.com/courses/635828/pages/institutional-policies>) **[Support](https://vccs.instructure.com/courses/635828/pages/support)** (<https://vccs.instructure.com/courses/635828/pages/support>) **[Accessibility](https://vccs.instructure.com/courses/635828/pages/accessibility-statements)** (<https://vccs.instructure.com/courses/635828/pages/accessibility-statements>) **[Privacy](https://vccs.instructure.com/courses/635828/pages/privacy-policies)** (<https://vccs.instructure.com/courses/635828/pages/privacy-policies>)

SUMMER 2024 ENV 121

General Environmental Science I | The Cloud | Virtual

Faculty Information

- **Dr. Amanda Lentz-Ronning (she/her)**
- **Faculty Email:** ALentz-Ronning@brightpoint.edu
- **Campus Office:** Chester, M 129b
- **Campus Phone:** (804) 786-6632 *I am not in my office during the summer hours
- **Office Hours:**

Virtual: M 9:00 - 10:00 (For Virtual hours you must schedule a Zoom meeting 24 hrs in advance using this link: **[Schedule Virtual Meeting](https://calendly.com/alentz-ronning-kde/30min)**  (<https://calendly.com/alentz-ronning-kde/30min>)). My Zoom link is: **<https://vccs.zoom.us/j/8047686632>** (<https://vccs.zoom.us/j/8047686632>).

By appointment: We can Zoom or meet at another mutually convenient time if you cannot make the times listed or need last-minute help

- **Communication Plan:**
 - **Announcements:** each week I will send a weekly overview using the announcements tool in Canvas.
 - **Speedgrader:** I will leave comments about your work in the Speedgrader. We can have a message exchange there as well! Please check them :)
 - **Email:** Contact me by email and I will do my best to get back to you within 24 hrs. Monday through Thursday. When emails are sent Friday through Sunday I may not respond until the next business day, which is Monday.

- **Canvas messaging:** I will do my best to get back to you within 24 hrs. Monday through Thursday. When messages are sent Friday through Sunday I may not respond until the next business day, which is Monday.

Course Materials

- This is a Follett Access Course. Follett Access course digital course material is charged through the college with tuition and fees and will be accessible through Canvas the 1st day of class. However, required Lab manuals and lab kit materials must be purchased separately. Loose-leaf text is optional purchase.
- Keep in mind that if you are taking other courses using Cengage materials, it may be possible that you can “upgrade” to a full Cengage Unlimited subscription at a reduced fee or no additional cost, and any other Cengage course materials will be part of this subscription.
 - Be sure to launch these and any other IncludEd course materials first from your Canvas, then see what the remaining cost would be on “upgrading” to a Cengage Unlimited subscription. Please contact Shelly Tomlin (shelly.tomlin@cengage.com) if you have any questions at all about accessing or purchasing Cengage materials or about your access code not working. If you need help with using MindTap you can contact Cengage technical support and/or you can refer to the following for more information: [How to Access Cengage Materials](https://cengage.widen.net/view/pdf/7h2ego3iji/gui_mt-canvas-stu-quick-guide-inclusive-access.pdf?t.download=true&u=c8lcjz). (https://cengage.widen.net/view/pdf/7h2ego3iji/gui_mt-canvas-stu-quick-guide-inclusive-access.pdf?t.download=true&u=c8lcjz)
- **Course Textbook:** Cengage Access Card Miller’s Environmental Science v2, 16th Edition, 1 Semester Access
 - ISBN: 9780357629406
 - Author: Miller and Spoolman
 - Publisher: Cengage
- **Computer, webcam, proctoring software (free), and regular access to the internet.**
- **Laboratory:** purchase of laboratory materials from the store. [List of materials](https://johntyler-my.sharepoint.com/:w/g/personal/jbeyer_brightpoint_edu/EeRBbps83x9FjqQb1c8YdAkBG_449yCGDc_e=dgzZDT) (https://johntyler-my.sharepoint.com/:w/g/personal/jbeyer_brightpoint_edu/EeRBbps83x9FjqQb1c8YdAkBG_449yCGDc_e=dgzZDT).
- **Access to Microsoft Office**
 - All students have free access to Microsoft Office through the VCCS.
 - Access by going to Canvas, in the Global Navigation click 'Help'. Then click on 'VCCS Resources' and scroll down

- **Required Personal Protective Equipment:** You may wish to purchase disposable gloves. Students should adhere to standard safety precautions and follow safety tips provided by the instructor while completing the laboratories
- **Proctoring:** **Respondus Lockdown Browser** (http://www.google.com/url?q=http%3A%2F%2Fwww.respondus.com%2Flockdown%2Fdownload.php%3Fid%3D432216390&sa=D%3FmLo_UA) and Respondus Lockdown Monitor will be used for proctored exams. You will need to download the software through Canvas. To do so, click on the '? Help' in the far-left menu in Canvas. Then scroll down in the pop-up menu to the 'VCCS Resources' link and click on it. At the bottom of the page, you will see a link to download the proctoring software. Students must also have a webcam and a computer. Students need to be in a quiet room with no interruptions to take proctored tests. Students should not have headphones on or be listening to any music, watching tv, taking any phone calls or texts during proctored exams.
- **Computer:** You cannot take an online course without reliable access to a computer to access materials and submit assignments. If you do not have a computer, you should contact the BCC library immediately to see if there is one available to check out during the semester. Lastly, the world is an imperfect place.... if you unexpectedly lose computer access, note that there are computer labs and library access on campus.
- **Canvas access:** Announcements, laboratories, and reminders will be made using this system. You will be able to access your grades here, and labs will be submitted via this learning management system. If you are not familiar with Canvas, please utilize the tutorials available in our course shell. You must access it regularly to keep up with the course.

Course Description

Explores fundamental components and interactions that make up the natural systems of the earth. Introduces the basic science concepts in the discipline of biological, chemical, and earth sciences that are necessary to understand and address environmental issues. Lecture 3 hours. Recitation and Laboratory 3 hours. Total 6 hours per week. Part I of II. **Credit Hours: 4.**

Schedule

Include a schedule that informs students of the dates and sequence material will be covered, due dates for assignments, due dates for major projects, final exams, and other important academic dates as appropriate – link to Academic Calendar if you wish:

<https://www.brightpoint.edu/academics/academic-calendar/> 

(<https://www.brightpoint.edu/academics/academic-calendar/>). At a minimum, include dates and topics for each week.

Weekly Schedule

Week	Date	Content
Week 1	May 20 - May 26	Chapters 1 - 3; Labs 1 - 3
Week 2	May 28 - June 2	Chapters 4 - 6; Labs 4 - 6 Midterm Exam Chapters and Labs 1 -6; Open Book
Week 3	June 3 - June 9	Chapters 12 and 13; Labs 7 & 8
Week 4	June 10 - 16	Chapters 15 & 11; Labs 9 & 10
Week 5	June 17 - June 24	Chapter 14 Final Exam Chapters 11 - 15 and Labs 7 - 10) Proctored

Course Learning Outcomes

Upon completion of the course, students will be able to do the following:

1. Examine the role of environmental ethics in decision-making and environmental stewardship.
2. Evaluate different perspectives, opinions, and statements about environmental issues in terms of their logic, content, scientific merit, and biases.
3. Demonstrate the ability to work well in groups and display situationally and culturally appropriate behavior in the classroom.
4. Perform accurate calculations, interpret scientific data and graphs, and use results to support conclusions.
5. Apply the scientific method to make informed decisions and engage with issues related to environmental science
6. Develop, convey, and exchange ideas in writing on different topics in environmental science.

Evaluation and Grading

I use a weighted grading scale and not a point system to calculate your grade. Your grade is comprised of the following components:

CATEGORY	WEIGHTED AVERAGE
Tests (Midterm and Final)	40%
Laboratory	30%
MindTap Concepts	10%
Discussion Boards	10%
MindTap ESA and WWYD	5%

Grading and Feedback on Assignments:

Most of the grading in this course will be automatically graded by Canvas or MindTap and released for review immediately. Even though assignments are automatically graded, I still review the assignment to make sure no mistakes are made. If you see a mistake, please contact me so that I can fix it. Manually graded items such as essay questions will take a bit longer to grade (up to a week). Students are strongly encouraged to review graded assignments by going to Grades and clicking on the grade for the assignment. Feedback is released for laboratories and tests are released three days after the due date providing all students have completed the assignments. Please do not hesitate to ask questions about anything that is of concern.

Academic Honesty

At Brightpoint we expect the highest standards of academic honesty. Violations of academic honesty include the following:

- **Cheating:** This includes seeking or giving unauthorized help on examinations, papers, and other academic assignments.
- **Plagiarism:** This is defined as using another's words or ideas and representing them as one's own either knowingly or unknowingly. In other words, by not documenting sources of information correctly or not putting quotation marks around exact phrasing and documenting

the source, one is committing plagiarism. Information on the internet is not yours for the taking – please cite all quotations appropriately, and be sure to also correctly cite sources when summarizing and paraphrasing.

- Plagiarism Checker Software: Your professor has access to Turnitin or other plagiarism software which aids in detecting improperly cited materials. All of your written work may be submitted to Turnitin or other plagiarism checker software for analysis. Your instructor may ask you to upload your documents yourself. If you have concerns about your written work being stored in a database, you should address the issues at the beginning of the academic term.
- Using written work previously submitted for another class is considered academic dishonesty.
- Uploading course materials to commercial websites (such as Course Hero, Chegg, etc.) is an act of academic dishonesty.
- Misconduct in the area of academic honesty is subject to disciplinary action, which can include failure for the assignment, or even failure of the course.

For the full Academic Dishonesty Policy please visit: [Academic Dishonesty - Brightpoint Community College - Acalog ACMS™](https://catalog.brightpoint.edu/content.php?catoid=6&navoid=439) (<https://catalog.brightpoint.edu/content.php?catoid=6&navoid=439>)

AI Usage:

Students are allowed to use advanced automated tools (artificial intelligence or machine learning tools such as ChatGPT or Dall-E 2) on assignments in this course if that use is properly documented and credited. For example, text generated using ChatGPT-3 or other tools should include a citation in MLA or APA style.

- AI tools (e.g. ChatGPT, Dall-e, etc.) are permitted in this course for the following activities:
 - Brainstorming and refining ideas;
 - Finding information on a topic;
 - Drafting an outline to organize your thoughts; and
 - Checking grammar and style.
- AI tools (e.g. ChatGPT, Dall-e, etc.) are NOT permitted in this course for the following activities:
 - Impersonating you in classroom contexts, such as using the tool to compose discussion boards or to create an entire presentation.
 - Completing group work that your group has assigned to you, unless it is mutually agreed upon that you may utilize the tool.
 - Writing a draft of a writing assignment.
 - Writing entire sentences, paragraphs or papers to complete class assignments.
 - On tests, quizzes, summaries, or short answer questions.

You are responsible for the information you submit based on an AI query (for instance, that it does not violate intellectual property laws, or contain misinformation or unethical content).

- Assignments that fail to adhere to this policy constitute an act of academic dishonesty. For the full Academic Dishonesty Policy please visit: [Academic Dishonesty - Brightpoint Community College \(https://catalog.brightpoint.edu/content.php?catoid=6&navoid=439\)](https://catalog.brightpoint.edu/content.php?catoid=6&navoid=439).

[MLA Citation Style for Generative AI \(https://style.mla.org/citing-generative-ai/\)](https://style.mla.org/citing-generative-ai/)

[APA Citation Style for Generative AI \(https://apastyle.apa.org/blog/how-to-cite-chatgpt\)](https://apastyle.apa.org/blog/how-to-cite-chatgpt)

Attendance and Participation

Regular attendance is a key factor for student success in a course. Instructors take and report weekly on class attendance.

- **How Attendance is Measured by Your Instructor:** This is a fully online class. Attendance is verified by active and timely participation as measured by posting to a discussion board, submitting assignments, submitting quizzes, or other evidence of participation as stated below. Note: for online classes, logging into Canvas or a third- party course is not sufficient, by itself, to demonstrate attendance by the student.
- **Number of Absences Allowed:**
 - If you fail to submit an assignment due for the week, on the due date, then you will be marked absent. Late work is considered an absence unless the instructor has given an extension. Accruing more than 5 absences before the last day to withdraw will result in administrative withdrawal. (Extended absences should be discussed in advance with the instructor; note in a 5wk course extended is considered more than a day since our time is so short.)
 - The following assignments will be counted as absences if you fail to attend or submit on time:
 - Getting Started Assignments
 - Laboratory assignments
 - Tests/Exams
 - Failure to submit more than half of the_MindTap assignments that are due for the week.
 - Environmental Science in Action
 - What Would You Do?
 - Conceptual Learning Activities

ATTENDANCE & WITHDRAWAL POLICIES:

Last Day to Drop with Refund: Students can drop a class prior to the date listed on the Attendance & Withdrawal tab under Institutional Policies at the top of the syllabus page in Canvas and receive a full refund. The drop may result in financial aid revisions.

Never Attended: Students who do not attend a class prior to the last day to drop will be reported as never attended and administratively dropped from the class.

- Tuition will not be refunded.
- The withdrawal may result in financial aid revisions.

Withdrawal with a W: Students may withdraw from classes without academic penalty through the date listed on the Attendance & Withdrawal tab under Institutional Policies at the top of the syllabus page in Canvas. It is the student's responsibility to meet the necessary deadline.

- To withdraw from a class, students should send an email from their college email account to admissionsandrecords@brightpoint.edu (<mailto:admissionsandrecords@brightpoint.edu>), providing your name, student ID#, course number, and section.
- Students who stop attending before the withdrawal deadline and subsequently violate the instructor's attendance policy will be administratively withdrawn.
- In cases of documented mitigating circumstances approved by the instructor and the appropriate academic dean, a grade of "W" may be awarded after the deadline to withdraw.

Mitigating circumstances: Mitigating circumstances are circumstances beyond the student's control that have the potential to cause extended absences and are documentable. Examples are contracting or exposure to Covid-19 that requires isolation, an illness or injury, illness or death in the student's immediate family, a flare-up of a chronic illness or mental health condition, parents' divorce, pregnancy, or falling victim to a criminal offense. If you feel you have mitigating circumstances, please reach out to your instructor.

Course-Specific Policies

- Students should utilize the Syllabus Schedule, To Do List, Class Announcements, and Course Calendar to successfully complete assignments in this course.
- Be sure to click on the Chapter Overviews or you will not have access to instructions and helpful screencasts. You will also miss material.
- Students are required to purchase materials for lab from the pet store and grocery store. This is your 'lab kit'. Failure to purchase materials is not a reason for an extension on a lab.
- You cannot do well in this course if you do not read the instructions found on the Chapter Overviews. This is particularly true for the lab- you must read the lab, the instructions, complete pre-lab information, and download any necessary materials like the lab handouts.
- Some labs require students to provide evidence of completion. Without it, you will earn a zero.
- ALL photographic evidence that is presented must have an index card with the student's name and date on the card. Failure to do so will result in a loss of points for all of that portion of the

lab in which the evidence was required (all questions in the lab, lab handout, and loss of points for not submitting a picture).











- Lab handouts must be submitted as a PDF. Failure to submit your document as a PDF will result in a loss of one letter grade or a zero on the lab.
- Students are required to use the proctoring software to take proctored tests.
- Students are required to stay in view of the webcam, eyes to the front, and no interruptions, headphones, phone calls, cell phones etc. during proctored exams.
- Students that do not stay within the frame during a proctored test will be scored as a zero on the exam, since they are taking it unproctored, and reported to the Dean of Students for academic dishonesty.
- No exam scores will be dropped. The lowest lab grade and three of the lowest assignment grades are dropped.
- Some lab assignments are still available after the due date. What does this mean? You may submit the work late but with a 10% penalty per day late, but you will still be counted absent. Note that the last lab only has one day late acceptance because it is the last day of class. Not all assignments allow late submission- no late submissions are allowed for Exams, Discussion Boards, or MindTap.

College Diversity Statement










Brightpoint Community College embraces a culture of diversity and inclusion that empowers anyone from anywhere to be successful in their academic and professional pursuits. We strive to provide an environment that is enriching to all by understanding and appreciating our dimensions of diversity, becoming global citizens, and welcoming new ways of engaging the unique contributions of all people.









For more information, [visit the Brightpoint Diversity & Inclusion webpage](https://brightpoint.edu/about/mission-vision-values/diversity-equity-inclusion)  (<https://brightpoint.edu/about/mission-vision-values/diversity-equity-inclusion>).










Course Summary:







Date	Details	Due
Tue May 21, 2024	 <u>Chapter 01 Environmental Science in Action: Learning from the Earth</u> https://vccs.instructure.com/courses/635828/assignments/14311204	due by 11:59pm
	 <u>Chapter 01 What Can You Do: Learning from the Earth</u> https://vccs.instructure.com/courses/635828/assignments/14311205	due by 11:59pm
	 <u>Chapter 02 Environmental Science in Action: Experimenting with a Forest</u> https://vccs.instructure.com/courses/635828/assignments/14311207	due by 11:59pm
	 <u>Chapter 02 What Can You Do: Forests and Sustainability</u> https://vccs.instructure.com/courses/635828/assignments/14311208	due by 11:59pm
	 <u>Chapter 03 Environmental Science in Action: Tropical Rainforests Are Disappearing</u> https://vccs.instructure.com/courses/635828/assignments/14311210	due by 11:59pm
Wed May 22, 2024	 <u>Chapter 03 What Can You Do: Tropical Rain Forests and Sustainability</u> https://vccs.instructure.com/courses/635828/assignments/14311211	due by 11:59pm
	 <u>F2F Hybrid Virtual Post Lab 1: Ecological Footprint Lab 22-23</u> https://vccs.instructure.com/courses/635828/assignments/14327536	due by 11:59pm
	 <u>Introduce Yourself</u> https://vccs.instructure.com/courses/635828/assignments/14336650	due by 11:59pm
	 <u>Student Laboratory Safety Contract 22/23</u> https://vccs.instructure.com/courses/635828/assignments/14311198	due by 11:59pm
	 <u>Syllabus Quiz - Take Quiz- Requires Respondus LockDown Browser + Webcam</u> https://vccs.instructure.com/courses/635828/assignments/14311195	due by 11:59pm

Date	Details	Due
	 <u>Waiver of Liability 2022</u> <u>Brightpoint</u> <u>(https://vccs.instructure.com/courses/635828/assignments/14311189)</u>	due by 11:59pm
	 <u>Chapter 01 Conceptual Learning Activities: The Environment and Sustainability</u> <u>(https://vccs.instructure.com/courses/635828/assignments/14311203)</u>	due by 11:59pm
Thu May 23, 2024	 <u>Chapter 02 Conceptual Learning Activities: Science, Matter, Energy, and Systems</u> <u>(https://vccs.instructure.com/courses/635828/assignments/14311206)</u>	due by 11:59pm
	 <u>Chapter 03 Conceptual Learning Activities: Ecosystems</u> <u>(https://vccs.instructure.com/courses/635828/assignments/14311209)</u>	due by 11:59pm
	 <u>8. Proof of Lab Kit Purchase- Purchase Materials and Post Proof</u> <u>(https://vccs.instructure.com/courses/635828/assignments/14311202)</u>	due by 11:59pm
Sun May 26, 2024	 <u>F2F Hybrid Post-Lab 3 Biosphere in a Jar</u> <u>(https://vccs.instructure.com/courses/635828/assignments/14311188)</u>	due by 11:59pm
	 <u>F2F Hybrid Post Lab 2 Scientific Method</u> <u>(https://vccs.instructure.com/courses/635828/assignments/14311190)</u>	due by 11:59pm
Tue May 28, 2024	 <u>Chapter 04 Environmental Science in Action: Why Are Amphibians Disappearing</u> <u>(https://vccs.instructure.com/courses/635828/assignments/14311213)</u>	due by 11:59pm
	 <u>Chapter 04 What Can You Do: Amphibians and Sustainability</u> <u>(https://vccs.instructure.com/courses/635828/assignments/14311215)</u>	due by 11:59pm
	 <u>Chapter 05 Environmental Science in Action: The Southern Sea Otter: A Species in Recovery</u> <u>(https://vccs.instructure.com/courses/635828/assignments/14311217)</u>	due by 11:59pm

Date	Details	Due
	 <u>Chapter 05 What Can You Do: Southern Sea Otters and Sustainability</u> https://vccs.instructure.com/courses/635828/assignments/14311218	due by 11:59pm
	 <u>Chapter 06 Environmental Science in Action: Population 7.4 Billion</u> https://vccs.instructure.com/courses/635828/assignments/14311220	due by 11:59pm
	 <u>Chapter 06 What Can You Do: Population Growth, Urbanization, and Sustainability</u> https://vccs.instructure.com/courses/635828/assignments/14311221	due by 11:59pm
Wed May 29, 2024	 <u>F2F Hybrid Virtual Post Lab 4: Biodiversity and Extinction: the facts.</u> https://vccs.instructure.com/courses/635828/assignments/14311197	due by 11:59pm
	 <u>Chapter 04 Conceptual Learning Activities: Biodiversity and Evolution</u> https://vccs.instructure.com/courses/635828/assignments/14311212	due by 11:59pm
Thu May 30, 2024	 <u>Chapter 05 Conceptual Learning Activities: Species Interactions, Ecological Succession, and Population Control</u> https://vccs.instructure.com/courses/635828/assignments/14311216	due by 11:59pm
	 <u>Chapter 06 Conceptual Learning Activities: The Human Population and Urbanization</u> https://vccs.instructure.com/courses/635828/assignments/14311219	due by 11:59pm
	 <u>Post-Lab 6: Population Paradox: Age Structure Diagrams</u> https://vccs.instructure.com/courses/635828/assignments/14311182	due by 11:59pm
Fri May 31, 2024	 <u>DB#2 Invasive Species</u> https://vccs.instructure.com/courses/635828/assignments/14311201	due by 11:59pm

Date	Details	Due
Sat Jun 1, 2024	 <u>Lab 05 Lab Population Biology</u> <u>Canvas Fa21-Su22</u> https://vccs.instructure.com/courses/635828/assignments/14311194	due by 11:59pm
Sun Jun 2, 2024	 <u>Midterm</u> https://vccs.instructure.com/courses/635828/assignments/14321207	due by 11:59pm
Tue Jun 4, 2024	 <u>Chapter 12 Environmental Science in Action: The Real Cost of Gold</u> https://vccs.instructure.com/courses/635828/assignments/14311226	due by 11:59pm
Tue Jun 4, 2024	 <u>Chapter 12 What Can You Do: The Real Cost of Gold and Sustainability</u> https://vccs.instructure.com/courses/635828/assignments/14311227	due by 11:59pm
Tue Jun 4, 2024	 <u>Chapter 13 Environmental Science in Action: Using Hydrofracking to Produce Oil and Natural Gas</u> https://vccs.instructure.com/courses/635828/assignments/14311229	due by 11:59pm
Tue Jun 4, 2024	 <u>Chapter 13 What Can You Do: Energy Resources and Sustainability</u> https://vccs.instructure.com/courses/635828/assignments/14311230	due by 11:59pm
Wed Jun 5, 2024	 <u>F2F Hybrid Post Lab Lab 7: Last Mountain Movie</u> https://vccs.instructure.com/courses/635828/assignments/14311180	due by 11:59pm
Thu Jun 6, 2024	 <u>Chapter 12 Conceptual Learning Activities: Geology and Nonrenewable Mineral Resources</u> https://vccs.instructure.com/courses/635828/assignments/14311225	due by 11:59pm
Thu Jun 6, 2024	 <u>Chapter 13 Conceptual Learning Activities: Energy Resources</u> https://vccs.instructure.com/courses/635828/assignments/14311228	due by 11:59pm
Fri Jun 7, 2024	 <u>DB#3 Uranium Mining in Virginia</u>	due by 11:59pm

Date	Details	Due
	(https://vccs.instructure.com/courses/635828/assignments/14311200)	
Sun Jun 9, 2024	 Virtual Post Lab 8 Renewable Energy (https://vccs.instructure.com/courses/635828/assignments/14311181)	due by 11:59pm
	 Chapter 11 Environmental Science in Action: The Gulf of Mexico's Annual Dead Zone (https://vccs.instructure.com/courses/635828/assignments/14311223)	due by 11:59pm
	 Chapter 11 What Can You Do: Water Resources and Water Pollution (https://vccs.instructure.com/courses/635828/assignments/14311224)	due by 11:59pm
Tue Jun 11, 2024	 Chapter 15 Environmental Science in Action: Melting Ice in Greenland (https://vccs.instructure.com/courses/635828/assignments/14311235)	due by 11:59pm
	 Chapter 15 What Can You Do: Air Pollution, Climate Change, and Ozone Depletion (https://vccs.instructure.com/courses/635828/assignments/14311236)	due by 11:59pm
Wed Jun 12, 2024	 Post Lab 10 Water Quality 21-22 (https://vccs.instructure.com/courses/635828/assignments/14311196)	due by 11:59pm
	 Chapter 11 Conceptual Learning Activities: Water Resources and Water Pollution (https://vccs.instructure.com/courses/635828/assignments/14311222)	due by 11:59pm
Thu Jun 13, 2024	 Chapter 15 Conceptual Learning Activities: Air Pollution, Climate Change, and Ozone Depletion (https://vccs.instructure.com/courses/635828/assignments/14311234)	due by 11:59pm
Sun Jun 16, 2024	 F2F Hybrid Virtual Post Lab 9 Air Pollution (https://vccs.instructure.com/courses/635828/assignments/14311239)	due by 11:59pm

Date	Details	Due
Tue Jun 18, 2024	 <u>Chapter 14 Environmental Science in Action: Mercury's Toxic Effects</u> (https://vccs.instructure.com/courses/635828/assignments/14311232)	due by 11:59pm
	 <u>Chapter 14 What Can You Do: Mercury's Toxic Effects and Sustainability</u> (https://vccs.instructure.com/courses/635828/assignments/14311233)	due by 11:59pm
Thu Jun 20, 2024	 <u>Chapter 14 Conceptual Learning Activities: Environmental Hazards and Human Health</u> (https://vccs.instructure.com/courses/635828/assignments/14311231)	due by 11:59pm
Fri Jun 21, 2024	 <u>DB#4 Environmental Science in the NEWS</u> (https://vccs.instructure.com/courses/635828/assignments/14311199)	due by 11:59pm
Sat Jun 22, 2024	 <u>Final Exam Modules 3 and 4 - Requires Respondus LockDown Browser + Webcam</u> (https://vccs.instructure.com/courses/635828/assignments/14321226)	due by 11:59pm
	 <u>Extra Credit - Course Evaluation</u> (https://vccs.instructure.com/courses/635828/assignments/14311237)	due by 11:59pm

Subject	Catalog	Class Nbr	Descr	Last	Tot Enrl	Pat	Room	Start Date	End Date	Campus
ENV	121	44848	Gen Environ Sci I	Lentz-Ronning	23	VIRT	VIRTUAL	8/28/2023	12/16/2023	CHSTR
ENV	121	44849	Gen Environ Sci I	Lentz-Ronning	15	VIRT	VIRTUAL	8/28/2023	12/16/2023	MIDLO
ENV	121	62834	Gen Environ Sci I	Beyer	13	VIRT	VIRTUAL	8/28/2023	10/16/2023	CHSTR
ENV	121	62838	Gen Environ Sci I	Beyer	18	VIRT	VIRTUAL	10/24/2023	12/16/2023	MIDLO
ENV	121	44850	Gen Environ Sci I	Labieniec	19	MW	H307	8/28/2023	12/16/2023	MIDLO

88

ENV	121	22875	Gen Environ Sci I	Lentz-Ronning	27	VIRT	VIRTUAL	1/16/2024	5/7/2024	CHSTR
ENV	121	24049	Gen Environ Sci I	Lentz-Ronning	11	VIRT	VIRTUAL	1/16/2024	3/4/2024	MIDLO
ENV	121	24051	Gen Environ Sci I	Price	26	VIRT	VIRTUAL	3/12/2024	5/7/2024	MIDLO
ENV	121	22877	Gen Environ Sci I	Labieniec	20	MW	H307	1/16/2024	5/7/2024	MIDLO

84