

**Plan for Assessing  
Student Learning and Departmental Programs**

**Department of Pathology  
2005-2006 Academic Year**

Plan for Assessing Student Learning and Departmental Programs  
Department of Pathology  
2005-2006 Academic Year

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**MASTER OF SCIENCE  
CLINICAL LABORATORY SCIENCE  
ASSESSMENT PLAN**

**Department:** Pathology

**Program:** Clinical Laboratory Science

**Mission Statement:**

*The mission of the Master of Science Clinical Laboratory Science (MS, CLS) program at the University of North Dakota is to generate and disseminate an advanced scholarly curriculum through distance and on-campus courses to baccalaureate degreed, certified clinical laboratory science professionals throughout the state, nation, and world. The curriculum is designed to prepare graduates for leadership roles in education, consulting, and healthcare administration.*

**Assessment of Student Learning:**

Upon completion of the program the student will be able to:

**Learning Goal 1. Work independently utilizing critical thinking and problem solving skills to effectively communicate the responsibilities of the clinical laboratory in patient care management to all participants of the healthcare team.**

Specifically, the student will be able to:

- Objective 1.1 Analyze and apply research studies and professional literature for applicability to laboratory practices.
- Objective 1.2 Demonstrate an ability to apply laboratory based theories and principles to patient care
- Objective 1.3 Create effective interactions with members of the healthcare team.

**Learning Goal 2. Apply theories of laboratory management including financial, quality, and personnel management.**

Specifically, the student will be able to:

- Objective 2.1 Evaluate laboratory financial management processes and applications.
- Objective 2.2 Examine quality management processes and applications.
- Objective 2.3 Plan, develop, and organize laboratory services while effectively addressing costs.
- Objective 2.4 Examine personnel management processes and applications.

**Learning Goal 3. Demonstrate knowledge of advanced scholarly curriculum that encompasses the scope of practice in clinical laboratory science.**

Specifically, the student will be able to:

- Objective 3.1 Analyze advanced theories, principles, and laboratory skills in each discipline of the clinical laboratory science profession.

Objective 3.2 Assess methodology and interpretation of data within the Clinical Laboratory Science scope of practice.

**Learning Goal 4. Demonstrate effective communication skills, both oral and written, across multiple topic or disciplines.**

Specifically, the student will be able to:

Objective 4.1 Demonstrate scholarly writing skills through the successful completion of papers, case studies, directed studies, written evaluations, and comprehensive examinations.

Objective 4.2 Demonstrate oral communication skills by successfully creating and presenting scholarly work to faculty and students of the School of Medicine and Health Sciences.

**Assessment of Program:**

Upon completion of the program the administration and department faculty will be able to:

**Assessment Goal 1. Evaluate curriculum to correlate with an advanced scope of practice in Clinical Laboratory Science.**

Specifically, the administration and faculty will be able to:

Objective 1.1 Analyze student evaluation of entire program.

Objective 1.2 Examine student use of advanced degree through alumni review.

**Assessment Goal 2. Assess quality in instruction of graduate program.**

Specifically, the administration and faculty will be able to:

Objective 2.1 Assess quality of each course individually

Objective 2.2 Examine quality in instruction pertaining to instructors and course content



Student Learning Goals & Objectives	Educational Experiences	Assessment Methods	Timeline	Responsibilities	Use of Results and Process for Documentation & Decision-Making
<p><b>Goal 2:</b></p> <p>Objective 2.1</p> <p>Objective 2.2</p> <p>Objective 2.3</p> <p>Objective 2.4</p>	<p>CLS 501 CLS 505</p> <p>CLS 501 CLS 505</p> <p>CLS 508 CLS 515 CLS 517</p> <p>CLS 501 CLS 505</p>	<p>Evaluation of learner case studies or independent projects</p> <p>Assessment of learner application through course evaluations</p> <p>Assessment of learner application through course evaluation</p> <p>Assessment of learner application through course evaluation</p>	<p>Each semester</p> <p>Each semester</p> <p>Each semester</p> <p>Each semester</p>	<p>Faculty member delivering course</p> <p>Faculty member delivering course</p> <p>Faculty member delivering course</p> <p>Faculty member delivering course</p>	<p>Review learner evaluations at annual CLS graduate faculty retreat</p> <p>Review learner grades by faculty on each course in three year cycle.</p> <p>Review successful completion of individual course objectives by graduate faculty.</p> <p>Review successful completion of individual course objectives by graduate faculty.</p>







<b>Program Assessment Goals &amp; Objectives</b>		<b>Assessment Methods</b>	<b>Timeline</b>	<b>Responsibilities</b>	<b>Use of Results and Process for Documentation &amp; Decision-Making</b>
<p><b>Goal 2:</b></p> <p>Objective 2.1</p> <p>Objective 2.2</p>	<p>Encompasses entire curriculum in each course</p> <p>Encompasses entire curriculum in each course</p>	<p>Student evaluation of course upon completion</p> <p>Student evaluation of course upon completion</p>	<p>Each semester</p> <p>Each semester</p>	<p>Faculty member delivering course</p> <p>Faculty member delivering course</p>	<p>Administration of review to assist faculty assignment and mentoring</p> <p>Administration of review to assist faculty assignment and mentoring</p>

# CLINICAL LABORATORY SCIENCE MANAGEMENT CERTIFICATE ASSESSMENT PLAN

**Department:** Pathology

**Program:** Clinical Laboratory Science

## **Mission Statement:**

*Provide advanced skills to practicing laboratory professionals in health administration, leadership, conflict management, quality assurance, and health informatics.*

## **Assessment of Student Learning:**

Upon completion of the program the student will be able to:

### **Learning Goal 1. Apply theories of laboratory management including financial, quality, and personnel management.**

Specifically, the student will be able to:

- Objective 1.1 Evaluate laboratory financial management processes and applications.
- Objective 1.2 Examine quality management processes and applications
- Objective 1.3 Plan, develop, and organize laboratory service costs effectively
- Objective 1.4 Examine personnel management processes and applications.

### **Learning Goal 2. Demonstrate skill in utilizing common software programs used in clinical laboratory management.**

Specifically, the student will be able to:

- Objective 2.1 Organize data to illustrate priority information.
- Objective 2.2 Display basic skills in the production of management related documents including spread sheets and data base utilization.

### **Learning Goal 3. Demonstrate effective communication skills.**

Specifically, the student will be able to:

- Objective 3.1 Demonstrate scholarly writing skills through successful completion of papers, projects, and written evaluations.
- Objective 3.2 Review data and recordd to effectively complete laboratory assessment requirements.

## **Assessment of Programs:**

Upon completion of the program, the department administration and faculty will be able to:

### **Assessment Goal 1. Evaluate curriculum to correlate with the needs of management in CLS.**

Specifically the administration and faculty will be able to:

Objective 1.1 Analyze student evaluation of entire program.

Objective 1.2 Analyze student evaluation of each course.

<b>Student Learning Goals &amp; Objectives</b>	<b>Educational Experiences</b>	<b>Assessment Methods</b>	<b>Timeline</b>	<b>Responsibilities</b>	<b>Use of Results and Process for Documentation &amp; Decision-Making</b>
<p><b>Goal 1:</b></p> <p>Objective 1.1</p> <p>Objective 1.2</p> <p>Objective 1.3</p> <p>Objective 1.4</p>	<p>CLS 501/505/517</p> <p>CLS 501/505/517</p> <p>CLS 505</p> <p>CLS 501/508/517</p>	<p>Assessment of learner application through course evaluations</p> <p>Evaluation of learner</p> <p>Evaluation of learner</p> <p>Assessment of learner application through course evaluations</p>	<p>Each semester</p> <p>Each semester</p> <p>Each semester</p> <p>Each semester</p>	<p>Faculty member delivering course</p> <p>Faculty member delivering course</p> <p>Faculty member delivering course</p> <p>Faculty member delivering course</p>	<p>Review learner evaluation at annual CLS graduate faculty retreat</p> <p>Review learner grades by faculty on each course in 18 month cycle</p> <p>Review successful completion of individual course objectives by graduate faculty</p> <p>Review successful completion of individual course objectives by graduate faculty</p>





Program Assessment Goals & Objectives		Assessment Methods	Timeline	Responsibilities	Use of Results and Process for Documentation & Decision-Making
<p><b>Goal 1:</b></p> <p>Objective 1.1</p> <p>Objective 1.2</p>	<p>CLS 501/505/508/514/517</p> <p>CLS 501/505/508/514/517</p>	<p>Student evaluation of program</p> <p>Student evaluation of each course</p>	<p>Annually</p> <p>Every semester course is presented</p>	<p>Administration</p> <p>Faculty and administration</p>	<p>Review at annual faculty retreat</p> <p>Review by faculty and administration</p>

# **Bachelor of Science Clinical Laboratory Science Assessment Plan**

**Department:** Pathology

**Program:** Clinical Laboratory Science

## **Mission Statement:**

*The mission of the Bachelor of Science in Clinical Laboratory Science (CLS) program is to provide an educational program consistent with the CLS standards outlined by the National Accrediting Agency for CLS. The program is committed to: providing a professional learning environment for students enrolled in CLS in a university and hospital setting, providing students with the opportunity for personal as well as professional growth, and to set examples that foster respect for others, themselves, and the medical community.*

## **Assessment of Student Learning:**

Upon completion of the program the student will be able to:

### **Learning Goal 1. Demonstrate adequate knowledge and background experience to successfully complete national certification examinations.**

Specifically, the student will be able to:

- Objective 1.1 Demonstrate an ability to apply theories and principles to practice in the clinical laboratory
- Objective 1.2 Display the correlation between laboratory data and patient healthcare

### **Learning Goal 2. Demonstrate job entry competency, knowledge, and skills.**

Specifically, the student will be able to:

- Objective 2.1 Demonstrate work performance skills
- Objective 2.2 Interpret and report procedure results utilizing manual and/or computerized methods
- Objective 2.3 Perform and interpret testing in all areas of the clinical laboratory

### **Learning Goal 3. Employ quality management processes and applications.**

Specifically, the student will be able to:

- Objective 3.1 Prepare and correctly use standards, controls, and reagents
- Objective 3.2 Maintain accurate records
- Objective 3.3 Maintain and troubleshoot laboratory equipment according to department procedures
- Objective 3.4 Evaluate and resolve discrepancies/problems
- Objective 3.5 Demonstrate quality assurance techniques

### **Learning Goal 4. Demonstrate appropriate professional communication skills.**

Specifically, the student will be able to:

- Objective 4.1 Demonstrate cooperation with others
- Objective 4.2 Employ appropriate interactions with other students, faculty, laboratory personnel, and patients
- Objective 4.3 Value punctuality and confidentiality

**Assessment of Program:**

Upon completion of the program, the department administration and faculty will be able to:

**Assessment Goal 1. Evaluate curriculum to correlate with job entry competency levels.**

Specifically, the administration and faculty will be able to:

- Objective 1.1 Analyze graduating student assessment of UND program and clinical site
- Objective 1.2 Analyze clinical site evaluations of students and program
- Objective 1.3 Examine national certification exam scores
- Objective 1.4 Review student evaluations of summer practicum
- Objective 1.5 Examine post-graduate student surveys
- Objective 1.6 Examine post-graduate employer surveys



<b>Student Learning Goals &amp; Objectives</b>	<b>Educational Experiences</b>	<b>Assessment Methods</b>	<b>Timeline</b>	<b>Responsibilities</b>	<b>Use of Results and Process for Documentation &amp; Decision-Making</b>
<p><b>Goal 2:</b></p> <p>Objective 2.1</p> <p>Objective 2.2</p> <p>Objective 2.3</p>	<p>CLS 480/481/483/484/485/486/491/492/493/495</p> <p>CLS 480/481/483/484/485/486/491/492/493/495</p> <p>CLS 480/481/483/484/485/486/491/492/493/495</p>	<p>Performance evaluations</p> <p>Performance evaluations</p> <p>Performance evaluations</p>	<p>Each semester offered</p> <p>Each semester offered</p> <p>Each semester offered</p>	<p>CLS clinical education coordinator</p> <p>CLS clinical education coordinator</p> <p>CLS clinical education coordinator</p>	<p>Review at CLS faculty meeting for curriculum updates</p> <p>Review at CLS faculty meeting for curriculum updates</p> <p>Review at CLS faculty meeting for curriculum updates</p>

<b>Student Learning Goals &amp; Objectives</b>	<b>Educational Experiences</b>	<b>Assessment Methods</b>	<b>Timeline</b>	<b>Responsibilities</b>	<b>Use of Results and Process for Documentation &amp; Decision-Making</b>
<b>Goal 3:</b>					
Objective 3.1	CLS 490/491/492/493/495	Performance evaluations	Each semester offered	CLS faculty responsible for course	Review at CLS faculty meeting for curriculum updates
Objective 3.2	CLS 490/491/492/493/495	Performance evaluations	Each semester offered	CLS faculty responsible for course	Review at CLS faculty meeting for curriculum updates
Objective 3.3	CLS 490/491/492/493/495	Performance evaluations	Each semester offered	CLS faculty responsible for course	Review at CLS faculty meeting for curriculum updates
Objective 3.4	CLS 490/491/492/493/495	Performance evaluations	Each semester offered	CLS faculty responsible for course	Review at CLS faculty meeting for curriculum updates
Objective 3.5	CLS 490	Performance evaluations	Each semester offered	CLS faculty responsible for course	Review at CLS faculty meeting for curriculum updates

Student Learning Goals & Objectives	Educational Experiences	Assessment Methods	Timeline	Responsibilities	Use of Results and Process for Documentation & Decision-Making
<p><b>Goal 4:</b></p> <p>Objective 4.1</p> <p>Objective 4.2</p> <p>Objective 4.3</p>	<p>CLS 491/492/493/495</p> <p>CLS 491/492/493/495</p> <p>CLS 491/492/493/495</p>	<p>Performance evaluations</p> <p>Performance evaluations</p> <p>Performance evaluations</p>	<p>Each semester offered</p> <p>Each semester offered</p> <p>Each semester offered</p>	<p>CLS Clinical Education Coordinator</p> <p>CLS Clinical Education Coordinator</p> <p>CLS Clinical Education Coordinator</p>	<p>Review at faculty meetings</p> <p>Review at faculty meetings</p> <p>Review at faculty meetings</p>

<b>Program Assessment Goals &amp; Objectives</b>		<b>Assessment Methods</b>	<b>Timeline</b>	<b>Responsibilities</b>	<b>Use of Results and Process for Documentation &amp; Decision-Making</b>
<b>Goal 1:</b>					
Objective 1.1	Entire curriculum	Student evaluation of program	Upon completion	Clinical Education Coordinator	Review of curriculum at faculty meetings
Objective 1.2	Entire curriculum	Clinical site evaluation of program	Upon completion	Clinical Education Coordinator	Review of curriculum at faculty meetings
Objective 1.3	Entire curriculum	Clinical site evaluation of program	Annually	Program director	Review of curriculum at faculty meetings
Objective 1.4	CLS 470/471/472/473/474/475/477/478/482/487	Student survey	Annually	Summer coordinator	Review of curriculum at faculty meetings
Objective 1.5	Entire curriculum	1 and 3 year post-graduation survey	Annually	Clinical education coordinator	Review of curriculum at faculty meetings
Objective 1.6	Entire curriculum	1 and 3 year post-graduation survey	Annually	Clinical education coordinator	Review of curriculum at faculty meetings

# CYTOTECHNOLOGY ASSESSMENT PLAN

**Department:** Pathology

**Program:** Cytotechnology

## **Mission Statement:**

*The Cytotechnology program's mission is to provide the necessary educational experience needed to consistently graduate high quality entry-level cytotechnologists that are eligible for certification and employment in regional medical laboratories.*

## **Assessment of Student Learning:**

Upon completion of the program the student will be able to:

### **Learning Goal 2. Microscopically evaluate slides with proficiency and accuracy**

- Objective 2.1 Identify and discriminate benign, inflammatory, premalignant and malignant entities in various cytologic specimens
- Objective 2.2 Detect, select and mark cells most representative of a pathologic process
- Objective 2.3 Accurately evaluate a minimum of 5 slides per hour

### **Learning Goal 3. Utilize basic laboratory cytopreparatory skills and techniques pertinent to the cytology laboratory**

- Objective 3.1 Accept or reject specimens
- Objective 3.2 Determine and perform most appropriate cytopreparatory and staining techniques best suited for specimen type
- Objective 3.3 Demonstrate use, care and trouble shooting of the microscope
- Objective 3.4 Troubleshoot problems within the cytology laboratory and identify appropriate solutions
- Objective 3.5 Explain ancillary testing methods used in the Cytopathology laboratory

### **Learning Goal 4. Demonstrate knowledge and understanding of regulatory measures as mandated by law**

- Objective 4.1 Explain quality control and quality assurances measures used in the Cytotechnology laboratory
- Objective 4.2 Comply with laboratory safety regulations

### **Learning Goal 5. Recognize the need for continuing education to maintain professional competence**

- Objective 5.1 Pursue continuing education through participation in professional organizations

**Learning Goal 6. Exhibit professional attributes, knowledge of ethics and responsibilities of a practicing cytotechnologist and demonstrate professional interpersonal communication**

Objective 6.1 Demonstrate honesty and integrity in professional duties

Objective 6.2 Accept responsibility for one's own actions

Objective 6.3 Practice principles of good personal relationships with peers, staff, and faculty

**Assessment:**

The program faculty annually assesses 4 areas: graduate surveys, employer surveys; Board of Registry results and input from the Program Advisory Committee to determine whether the students have achieved the knowledge, skills, and attitudes that are expected of them. We review these result to see if changes need to be implemented into the program to correct any identified shortcomings.

Student Learning Goals & Objectives	Educational Experiences	Assessment Methods	Timeline	Responsibilities	Use of Results and Process for Documentation & Decision-Making
<p><b>Goal 1:</b> Students will be able to evaluate slides microscopically with proficiency and accuracy</p> <p><b>Objectives:</b></p> <p>1.1 Identify and discriminate pathologic entities in variety of cytologic specimens</p> <p>1.2 Detect, select and mark cells most representative of a pathologic process</p> <p>1.3 Accurately evaluate a minimum of 5 slides per hour</p>	<p>Lecture &amp; discussion</p> <p>Laboratory experience</p> <p><b>Courses:</b></p> <p>Path 401: Diagnostic Cytopathology I</p> <p>Path 402: Diagnostic Cytopathology II</p> <p>Path 403: Diagnostic Cytopathology III</p>	<p>Course examinations</p> <p>Laboratory practical examinations</p> <p>Practicum evaluation surveys</p>	<p>Data is evaluated each semester</p>	<p>Faculty members delivering course</p> <p>Clinical instructors</p>	<p>Review learner grades after each semester</p> <p>Review course evaluations after each semester</p> <p>Program advisory committee</p>

Student Learning Goals & Objectives	Educational Experiences	Assessment Methods	Timeline	Responsibilities	Use of Results and Process for Documentation & Decision-Making
<p><b>Goal 2:</b> Students will utilize basic cytopreparatory skills and techniques pertinent to cytology</p> <p><b>Objectives:</b></p> <p>2.1 Accept or reject specimens</p> <p>2.2 Determine and perform appropriate cytopreparatory and staining techniques best suited for specimen type</p> <p>2.3 Demonstrate use, care and trouble shooting of the microscope</p> <p>2.4 Troubleshoot problems within the cytology laboratory and identify appropriate solutions</p> <p>2.5 Explain ancillary testing methods used in the Cytopathology laboratory</p>	<p>Lecture &amp; discussion</p> <p>Laboratory experience</p> <p><b>Courses:</b></p> <p>Path 401: Diagnostic Cytopathology I</p> <p>Path 402: Diagnostic Cytopathology II</p> <p>Path 403: Diagnostic Cytopathology III</p>	<p>Course examinations</p> <p>Laboratory practical examinations</p> <p>Practicum evaluation surveys</p>	<p>Data is evaluated each semester</p>	<p>Faculty members delivering course</p> <p>Clinical instructors</p>	<p>Review learner grades after each semester</p> <p>Review course evaluations after each semester</p> <p>Review registry results</p> <p>Program advisory committee</p>

<b>Student Learning Goals &amp; Objectives</b>	<b>Educational Experiences</b>	<b>Assessment Methods</b>	<b>Timeline</b>	<b>Responsibilities</b>	<b>Use of Results and Process for Documentation &amp; Decision-Making</b>
<p><b>Goal 3:</b> Students will demonstrate knowledge and understanding of cytopathology regulatory measures</p> <p><b>Objectives:</b>  3.1 Explain quality control and quality assurance measures used in the Cytopathology laboratory  3.1 Comply with laboratory safety regulations laboratory</p>	<p>Lecture &amp; discussion</p> <p>Laboratory experience</p> <p><b>Courses:</b>  Path 401: Diagnostic Cytopathology I  Path 402: Diagnostic Cytopathology II  Path 403: Diagnostic Cytopathology III</p>	<p>Course examinations</p> <p>Laboratory practical examinations</p> <p>Practicum evaluation surveys</p>	<p>Data is evaluated each semester</p>	<p>Faculty members delivering course</p> <p>Clinical instructors</p>	<p>Review learner grades after each semester</p> <p>Review course evaluations after each semester</p> <p>Review registry results</p> <p>Program Advisory Committee</p>

Student Learning Goals & Objectives	Educational Experiences	Assessment Methods	Timeline	Responsibilities	Use of Results and Process for Documentation & Decision-Making
<p><b>Goal 4:</b> Recognize need for continuing education to maintain competence within Cytotechnology</p> <p><b>Objectives:</b> 4.1 Pursue continuing education through participation in professional organizations</p>	<p>Lecture &amp; discussion</p> <p>Laboratory practicum experience</p> <p><b>Courses:</b> Path 401: Diagnostic Cytopathology I</p> <p>Path 402: Diagnostic Cytopathology II</p> <p>Path 403: Diagnostic Cytopathology III</p>	<p>Course examinations</p> <p>Laboratory practical examinations</p> <p>Practicum evaluation surveys</p>	<p>Data is evaluated each semester</p>	<p>Faculty members delivering course</p> <p>Clinical instructors</p>	<p>Review learner grades after each semester</p> <p>Review course evaluations after each semester</p> <p>Review registry results</p> <p>Program Advisory Committee</p>

Student Learning Goals & Objectives	Educational Experiences	Assessment Methods	Timeline	Responsibilities	Use of Results and Process for Documentation & Decision-Making
<p><b>Goal 5:</b> Students will exhibit professional attributes, knowledge of ethics and responsibilities of a practicing cytotechnologist and interacts respectfully with peers, instructional staff and other laboratory professionals</p> <p><b>Objectives:</b>            5.1 Demonstrate honesty and integrity in professional duties            5.2 Accept responsibility for one's own actions            5.3 Practice principles of good personal relationships with peers, staff, and faculty</p>	<p>Lecture &amp; discussion            Laboratory experience</p> <p><b>Courses:</b>            Path 401: Diagnostic Cytopathology I            Path 402: Diagnostic Cytopathology II            Path 403: Diagnostic Cytopathology III</p>	<p>Program evaluation surveys</p> <p>Practicum evaluation surveys</p>	<p>Data is evaluated each semester</p>	<p>Faculty members delivering course</p> <p>Clinical instructors</p>	<p>Review learner grades after each semester</p> <p>Review course evaluations after each semester</p> <p>Review registry results</p> <p>Program Advisory Committee</p>

**Categorical Training in Clinical Chemistry/Urinalysis  
Clinical Laboratory Science  
Assessment Plan**

**Department:** Pathology

**Program:** Clinical Laboratory Science

**Mission Statement:**

*The mission of the Clinical Laboratory Science Categorical Training in Clinical Chemistry/Urinalysis at the University of North Dakota is to provide the necessary educational experience to consistently produce high quality, entry-level categorical professionals that are eligible for national certification and employment in medical laboratories*

**Assessment of Student Learning:**

Upon completion of the program the student will be able to:

**Learning Goal 1. Demonstrate adequate knowledge and background experience to successfully complete national certification examinations.**

Specifically, the student will be able to:

Objective 1.1 Demonstrate an ability to apply theories and principles to practice in chemistry/urinalysis laboratories

Objective 1.2 Display the correlation between laboratory data and patient healthcare

**Learning Goal 2. Demonstrate job entry competency, knowledge, and skills.**

Specifically, the student will be able to:

Objective 2.1 Demonstrate work performance skills

Objective 2.2 Interpret and report procedure results utilizing manual and/or computerized methods

Objective 2.3 Perform and interpret testing in chemistry/urinalysis laboratories

**Learning Goal 3. Employ quality management processes and applications.**

Specifically, the student will be able to:

Objective 3.1 Prepare and correctly use standards, controls, and reagents

Objective 3.2 Maintain accurate records

Objective 3.3 Maintain and troubleshoot laboratory equipment according to department procedures

Objective 3.4 Evaluate and resolve discrepancies/problems

Objective 3.5 Demonstrate quality assurance techniques

**Learning Goal 4. Demonstrate appropriate professional communication skills.**

Specifically, the student will be able to:

Objective 4.1 Demonstrate cooperation with others

Objective 4.2 Employ appropriate interactions with other students, faculty, laboratory personnel, and patients

Objective 4.3 Value punctuality and confidentiality

**Assessment of Program:**

Upon completion of the program, the department administration and faculty will be able to:

**Assessment Goal 1. Evaluate curriculum to correlate with job entry competency levels.**

Specifically, the administration and faculty will be able to:

Objective 1.1 Analyze graduating student assessment of UND program and clinical site

Objective 1.2 Analyze clinical site evaluations of students and program

Objective 1.3 Examine national certification exam scores



<b>Student Learning Goals &amp; Objectives</b>	<b>Educational Experiences</b>	<b>Assessment Methods</b>	<b>Timeline</b>	<b>Responsibilities</b>	<b>Use of Results and Process for Documentation &amp; Decision-Making</b>
<p><b>Goal 2:</b></p> <p>Objective 2.1</p> <p>Objective 2.2</p> <p>Objective 2.3</p>	<p>CLS 460/461/491</p> <p>CLS 460/461/491</p> <p>CLS 460/461/491</p>	<p>Performance evaluations</p> <p>Performance evaluations</p> <p>Performance evaluations</p>	<p>Each time offered</p> <p>Each time offered</p> <p>Each time offered</p>	<p>Faculty member delivering course</p> <p>Faculty member delivering course</p> <p>Faculty member delivering course</p>	<p>Review at CLS faculty meeting for curriculum updates</p> <p>Review at CLS faculty meeting for curriculum updates</p> <p>Review at CLS faculty meeting for curriculum updates</p>

<b>Student Learning Goals &amp; Objectives</b>	<b>Educational Experiences</b>	<b>Assessment Methods</b>	<b>Timeline</b>	<b>Responsibilities</b>	<b>Use of Results and Process for Documentation &amp; Decision-Making</b>
<b>Goal 3:</b>					
Objective 3.1	CLS 460/491	Performance evaluations	Each semester offered	CLS faculty responsible for course	Review at CLS faculty meeting for curriculum updates
Objective 3.2	CLS460/491	Performance evaluations	Each semester offered	CLS faculty responsible for course	Review at CLS faculty meeting for curriculum updates
Objective 3.3	CLS 461/491	Performance evaluations	Each semester offered	CLS faculty responsible for course	Review at CLS faculty meeting for curriculum updates
Objective 3.4	CLS 491	Performance evaluations	Each semester offered	CLS faculty responsible for course	Review at CLS faculty meeting for curriculum updates
Objective 3.5	CLS 461/491	Performance evaluations	Each semester offered	CLS faculty responsible for course	Review at CLS faculty meeting for curriculum updates

Student Learning Goals & Objectives	Educational Experiences	Assessment Methods	Timeline	Responsibilities	Use of Results and Process for Documentation & Decision-Making
<p><b>Goal 4:</b></p> <p>Objective 4.1</p> <p>Objective 4.2</p> <p>Objective 4.3</p>	<p>CLS 491</p> <p>CLS 491</p> <p>CLS 491</p>	<p>Performance evaluations</p> <p>Performance evaluations</p> <p>Performance evaluations</p>	<p>Each semester offered</p> <p>Each semester offered</p> <p>Each semester offered</p>	<p>CLS faculty responsible for course</p> <p>CLS faculty responsible for course</p> <p>CLS faculty responsible for course</p>	<p>Review at faculty meetings</p> <p>Review at faculty meetings</p> <p>Review at faculty meetings</p>

Program Assessment Goals & Objectives		Assessment Methods	Timeline	Responsibilities	Use of Results and Process for Documentation & Decision-Making
<b>Goal 1:</b>  Objective 1.1  Objective 1.2  Objective 1.3	Entire curriculum  Entire curriculum  Entire curriculum	Student evaluation of program  Clinical site evaluation of program  Clinical site evaluation of program	Upon completion  Upon completion  Annually	CLS Program Director  CLS Program Director  CLS faculty	Review of curriculum at faculty meetings  Review of curriculum at faculty meetings  Review of curriculum at faculty meetings

# **Categorical Training in Hematology/Hemostasis Clinical Laboratory Science Assessment Plan**

**Department:** Pathology

**Program:** Clinical Laboratory Science

## **Mission Statement:**

*The mission of the Clinical Laboratory Science Categorical Training in Hematology/Hemostasis at the University of North Dakota is to provide the necessary educational experience to consistently produce high quality, entry-level categorical professionals that are eligible for national certification and employment in medical laboratories*

## **Assessment of Student Learning:**

Upon completion of the program the student will be able to:

### **Learning Goal 1. Demonstrate adequate knowledge and background experience to successfully complete national certification examinations.**

Specifically, the student will be able to:

Objective 1.1 Demonstrate an ability to apply theories and principles to practice in Hematology/Hemostasis

Objective 1.2 Display the correlation between laboratory data and patient healthcare

### **Learning Goal 2. Demonstrate job entry competency, knowledge, and skills.**

Specifically, the student will be able to:

Objective 2.1 Demonstrate work performance skills

Objective 2.2 Interpret and report procedure results utilizing manual and/or computerized methods

Objective 2.3 Perform and interpret testing in Hematology/Hemostasis

### **Learning Goal 3. Employ quality management processes and applications.**

Specifically, the student will be able to:

Objective 3.1 Prepare and correctly use standards, controls, and reagents

Objective 3.2 Maintain accurate records

Objective 3.3 Maintain and troubleshoot laboratory equipment according to department procedures

Objective 3.4 Evaluate and resolve discrepancies/problems

Objective 3.5 Demonstrate quality assurance techniques

### **Learning Goal 4. Demonstrate appropriate professional communication skills.**

Specifically, the student will be able to:

Objective 4.1 Demonstrate cooperation with others

- Objective 4.2 Employ appropriate interactions with other students, faculty, laboratory personnel, and patients
- Objective 4.3 Value punctuality and confidentiality

**Assessment of Program:**

Upon completion of the program, the department administration and faculty will be able to:

**Assessment Goal 1. Evaluate curriculum to correlate with job entry competency levels.**

Specifically, the administration and faculty will be able to:

- Objective 1.1 Analyze graduating student assessment of UND program and clinical site
- Objective 1.2 Analyze clinical site evaluations of students and program
- Objective 1.3 Examine national certification exam scores



<b>Student Learning Goals &amp; Objectives</b>	<b>Educational Experiences</b>	<b>Assessment Methods</b>	<b>Timeline</b>	<b>Responsibilities</b>	<b>Use of Results and Process for Documentation &amp; Decision-Making</b>
<b>Goal 2:</b>					
Objective 2.1	CLS 460/461/483/493	Performance evaluations	Each course offering	Faculty member delivering course	Review at CLS faculty meeting for curriculum updates
Objective 2.2	CLS 460/461/483/493	Performance evaluations	Each course offering	Faculty member delivering course	Review at CLS faculty meeting for curriculum updates
Objective 2.3	CLS 460/461/483/493	Performance evaluations	Each course offering	Faculty member delivering course	Review at CLS faculty meeting for curriculum updates

<b>Student Learning Goals &amp; Objectives</b>	<b>Educational Experiences</b>	<b>Assessment Methods</b>	<b>Timeline</b>	<b>Responsibilities</b>	<b>Use of Results and Process for Documentation &amp; Decision-Making</b>
<b>Goal 3:</b>					
Objective 3.1	CLS 460/483/493	Performance evaluations	Each semester offered	CLS faculty responsible for course	Review at CLS faculty meeting for curriculum updates
Objective 3.2	CLS 460/483/493	Performance evaluations	Each semester offered	CLS faculty responsible for course	Review at CLS faculty meeting for curriculum updates
Objective 3.3	CLS 461/483/493	Performance evaluations	Each semester offered	CLS faculty responsible for course	Review at CLS faculty meeting for curriculum updates
Objective 3.4	CLS 493	Performance evaluations	Each semester offered	CLS faculty responsible for course	Review at CLS faculty meeting for curriculum updates
Objective 3.5	CLS 461/493	Performance evaluations	Each semester offered	CLS faculty responsible for course	Review at CLS faculty meeting for curriculum updates

Student Learning Goals & Objectives	Educational Experiences	Assessment Methods	Timeline	Responsibilities	Use of Results and Process for Documentation & Decision-Making
<p><b>Goal 4:</b></p> <p>Objective 4.1</p> <p>Objective 4.2</p> <p>Objective 4.3</p>	<p>CLS 483/493</p> <p>CLS 483/493</p> <p>CLS 483/493</p>	<p>Performance evaluations</p> <p>Performance evaluations</p> <p>Performance evaluations</p>	<p>Each semester offered</p> <p>Each semester offered</p> <p>Each semester offered</p>	<p>CLS faculty delivering course</p> <p>CLS faculty delivering course</p> <p>CLS faculty delivering course</p>	<p>Review at faculty meetings</p> <p>Review at faculty meetings</p> <p>Review at faculty meetings</p>

Program Assessment Goals & Objectives		Assessment Methods	Timeline	Responsibilities	Use of Results and Process for Documentation & Decision-Making
<b>Goal 1:</b>					
Objective 1.1	Entire curriculum	Student evaluation of program	Upon completion	CLS Program Director	Review of curriculum at faculty meetings
Objective 1.2	Entire curriculum	Clinical site evaluation of program	Upon completion	CLS Program Director	Review of curriculum at faculty meetings
Objective 1.3	Entire curriculum	Clinical site evaluation of program	Annually	CLS Program Director	Review of curriculum at faculty meetings

# **Categorical Training in Immunohematology Clinical Laboratory Science Assessment Plan**

**Department:** Pathology

**Program:** Clinical Laboratory Science

## **Mission Statement:**

*The mission of the Clinical Laboratory Science Categorical Training in Immunohematology at the University of North Dakota is to provide the necessary educational experience to consistently produce high quality, entry-level categorical professionals that are eligible for national certification and employment in medical laboratories*

## **Assessment of Student Learning:**

Upon completion of the program the student will be able to:

### **Learning Goal 1. Demonstrate adequate knowledge and background experience to successfully complete national certification examinations.**

Specifically, the student will be able to:

Objective 1.1 Demonstrate an ability to apply theories and principles to practice in immunohematology

Objective 1.2 Display the correlation between laboratory data and patient healthcare

### **Learning Goal 2. Demonstrate job entry competency, knowledge, and skills.**

Specifically, the student will be able to:

Objective 2.1 Demonstrate work performance skills

Objective 2.2 Interpret and report procedure results utilizing manual and/or computerized methods

Objective 2.3 Perform and interpret testing in immunohematology

### **Learning Goal 3. Employ quality management processes and applications.**

Specifically, the student will be able to:

Objective 3.1 Prepare and correctly use standards, controls, and reagents

Objective 3.2 Maintain accurate records

Objective 3.3 Maintain and troubleshoot laboratory equipment according to department procedures

Objective 3.4 Evaluate and resolve discrepancies/problems

Objective 3.5 Demonstrate quality assurance techniques

### **Learning Goal 4. Demonstrate appropriate professional communication skills.**

Specifically, the student will be able to:

Objective 4.1 Demonstrate cooperation with others

- Objective 4.2 Employ appropriate interactions with other students, faculty, laboratory personnel, and patients
- Objective 4.3 Value punctuality and confidentiality

**Assessment of Program:**

Upon completion of the program, the department administration and faculty will be able to:

**Assessment Goal 1. Evaluate curriculum to correlate with job entry competency levels.**

Specifically, the administration and faculty will be able to:

- Objective 1.1 Analyze graduating student assessment of UND program and clinical site
- Objective 1.2 Analyze clinical site evaluations of students and program
- Objective 1.3 Examine national certification exam scores



<b>Student Learning Goals &amp; Objectives</b>	<b>Educational Experiences</b>	<b>Assessment Methods</b>	<b>Timeline</b>	<b>Responsibilities</b>	<b>Use of Results and Process for Documentation &amp; Decision-Making</b>
<b>Goal 2:</b>					
Objective 2.1	CLS 460/491/492	Performance evaluations	Each course offering	Faculty member delivering course	Review at CLS faculty meeting for curriculum updates
Objective 2.2	CLS 460/491/492	Performance evaluations	Each course offering	Faculty member delivering course	Review at CLS faculty meeting for curriculum updates
Objective 2.3	CLS 460/491/492	Performance evaluations	Each course offering	Faculty member delivering course	Review at CLS faculty meeting for curriculum updates

<b>Student Learning Goals &amp; Objectives</b>	<b>Educational Experiences</b>	<b>Assessment Methods</b>	<b>Timeline</b>	<b>Responsibilities</b>	<b>Use of Results and Process for Documentation &amp; Decision-Making</b>
<b>Goal 3:</b>					
Objective 3.1	CLS 460/492	Performance evaluations	Each semester offered	CLS faculty responsible for course	Review at CLS faculty meeting for curriculum updates
Objective 3.2	CLS 460/492	Performance evaluations	Each semester offered	CLS faculty responsible for course	Review at CLS faculty meeting for curriculum updates
Objective 3.3	CLS 460/492	Performance evaluations	Each semester offered	CLS faculty responsible for course	Review at CLS faculty meeting for curriculum updates
Objective 3.4	CLS 492	Performance evaluations	Each semester offered	CLS faculty responsible for course	Review at CLS faculty meeting for curriculum updates
Objective 3.5	CLS 461/492	Performance evaluations	Each semester offered	CLS faculty responsible for course	Review at CLS faculty meeting for curriculum updates

Student Learning Goals & Objectives	Educational Experiences	Assessment Methods	Timeline	Responsibilities	Use of Results and Process for Documentation & Decision-Making
<p><b>Goal 4:</b></p> <p>Objective 4.1</p> <p>Objective 4.2</p> <p>Objective 4.3</p>	<p>CLS 492</p> <p>CLS 492</p> <p>CLS 492</p>	<p>Performance evaluations</p> <p>Performance evaluations</p> <p>Performance evaluations</p>	<p>Each semester offered</p> <p>Each semester offered</p> <p>Each semester offered</p>	<p>CLS faculty delivering course</p> <p>CLS faculty delivering course</p> <p>CLS faculty delivering course</p>	<p>Review at faculty meetings</p> <p>Review at faculty meetings</p> <p>Review at faculty meetings</p>

Program Assessment Goals & Objectives		Assessment Methods	Timeline	Responsibilities	Use of Results and Process for Documentation & Decision-Making
<b>Goal 1:</b>					
Objective 1.1	Entire curriculum	Student evaluation of program	Upon completion	CLS Program Director	Review of curriculum at faculty meetings
Objective 1.2	Entire curriculum	Clinical site evaluation of program	Upon completion	CLS Program Director	Review of curriculum at faculty meetings
Objective 1.3	Entire curriculum	Clinical site evaluation of program	Annually	CLS faculty	Review of curriculum at faculty meetings

# **Categorical Training in Microbiology Clinical Laboratory Science Assessment Plan**

**Department:** Pathology

**Program:** Clinical Laboratory Science

## **Mission Statement:**

*The mission of the Clinical Laboratory Science Categorical Training in Microbiology at the University of North Dakota is to provide the necessary educational experience to consistently produce high quality, entry-level categorical professionals that are eligible for national certification and employment in medical laboratories*

## **Assessment of Student Learning:**

Upon completion of the program the student will be able to:

### **Learning Goal 1. Demonstrate adequate knowledge and background experience to successfully complete national certification examinations.**

Specifically, the student will be able to:

Objective 1.1 Demonstrate an ability to apply theories and principles to practice in clinical microbiology

Objective 1.2 Display the correlation between laboratory data and patient healthcare

### **Learning Goal 2. Demonstrate job entry competency, knowledge, and skills.**

Specifically, the student will be able to:

Objective 2.1 Demonstrate work performance skills

Objective 2.2 Interpret and report procedure results utilizing manual and/or computerized methods

Objective 2.3 Perform and interpret testing in clinical microbiology

### **Learning Goal 3. Employ quality management processes and applications.**

Specifically, the student will be able to:

Objective 3.1 Prepare and correctly use standards, controls, and reagents

Objective 3.2 Maintain accurate records

Objective 3.3 Maintain and troubleshoot laboratory equipment according to department procedures

Objective 3.4 Evaluate and resolve discrepancies/problems

Objective 3.5 Demonstrate quality assurance techniques

### **Learning Goal 4. Demonstrate appropriate professional communication skills.**

Specifically, the student will be able to:

Objective 4.1 Demonstrate cooperation with others

Objective 4.2 Employ appropriate interactions with other students, faculty, laboratory personnel, and patients

Objective 4.3 Value punctuality and confidentiality

**Assessment of Program:**

Upon completion of the program, the department administration and faculty will be able to:

**Assessment Goal 1. Evaluate curriculum to correlate with job entry competency levels.**

Specifically, the administration and faculty will be able to:

Objective 1.1 Analyze graduating student assessment of UND program and clinical site

Objective 1.2 Analyze clinical site evaluations of students and program

Objective 1.3 Examine national certification exam scores



<b>Student Learning Goals &amp; Objectives</b>	<b>Educational Experiences</b>	<b>Assessment Methods</b>	<b>Timeline</b>	<b>Responsibilities</b>	<b>Use of Results and Process for Documentation &amp; Decision-Making</b>
<p><b>Goal 2:</b></p> <p>Objective 2.1</p> <p>Objective 2.2</p> <p>Objective 2.3</p>	<p>CLS 460/461/495</p> <p>CLS 460/461/495</p> <p>CLS 460/461/495</p>	<p>Performance evaluations</p> <p>Performance evaluations</p> <p>Performance evaluations</p>	<p>Each semester offered</p> <p>Each semester offered</p> <p>Each semester offered</p>	<p>Faculty member delivering course</p> <p>Faculty member delivering course</p> <p>Faculty member delivering course</p>	<p>Review at CLS faculty meeting for curriculum updates</p> <p>Review at CLS faculty meeting for curriculum updates</p> <p>Review at CLS faculty meeting for curriculum updates</p>

<b>Student Learning Goals &amp; Objectives</b>	<b>Educational Experiences</b>	<b>Assessment Methods</b>	<b>Timeline</b>	<b>Responsibilities</b>	<b>Use of Results and Process for Documentation &amp; Decision-Making</b>
<b>Goal 3:</b>					
Objective 3.1	CLS 460/495	Performance evaluations	Each semester offered	CLS faculty responsible for course	Review at CLS faculty meeting for curriculum updates
Objective 3.2	CLS 460/495	Performance evaluations	Each semester offered	CLS faculty responsible for course	Review at CLS faculty meeting for curriculum updates
Objective 3.3	CLS 460/495	Performance evaluations	Each semester offered	CLS faculty responsible for course	Review at CLS faculty meeting for curriculum updates
Objective 3.4	CLS 495	Performance evaluations	Each semester offered	CLS faculty responsible for course	Review at CLS faculty meeting for curriculum updates
Objective 3.5	CLS 461/495	Performance evaluations	Each semester offered	CLS faculty responsible for course	Review at CLS faculty meeting for curriculum updates

Student Learning Goals & Objectives	Educational Experiences	Assessment Methods	Timeline	Responsibilities	Use of Results and Process for Documentation & Decision-Making
<p><b>Goal 4:</b></p> <p>Objective 4.1</p> <p>Objective 4.2</p> <p>Objective 4.3</p>	<p>CLS 495</p> <p>CLS 495</p> <p>CLS 495</p>	<p>Performance evaluations</p> <p>Performance evaluations</p> <p>Performance evaluations</p>	<p>Each semester offered</p> <p>Each semester offered</p> <p>Each semester offered</p>	<p>CLS faculty delivering course</p> <p>CLS faculty delivering course</p> <p>CLS faculty delivering course</p>	<p>Review at faculty meetings</p> <p>Review at faculty meetings</p> <p>Review at faculty meetings</p>

Program Assessment Goals & Objectives		Assessment Methods	Timeline	Responsibilities	Use of Results and Process for Documentation & Decision-Making
<b>Goal 1:</b>					
Objective 1.1	Entire curriculum	Student evaluation of program	Upon completion	CLS Program Director	Review of curriculum at faculty meetings
Objective 1.2	Entire curriculum	Clinical site evaluation of program	Upon completion	CLS Program Director	Review of curriculum at faculty meetings
Objective 1.3	Entire curriculum	Clinical site evaluation of program	Annually	CLS faculty	Review of curriculum at faculty meetings

# Histotechnician Certificate Histotechnician Program Assessment Plan

**Department:** Pathology  
**Program:** Histotechnician Program

## **Mission Statement:**

*The mission of the Histotechnician Certificate Program at the University of North Dakota is to provide the necessary educational experience to consistently produce high quality, entry-level histotechnicians that are eligible for certification and employment in medical laboratories.*

## **Assessment of Student Learning:**

Upon completion of the program the student will be able to:

### **Learning Goal 1. Demonstrate adequate knowledge and background experience to successfully complete national certification examinations.**

Specifically, the student will be able to:

- Objective 1.1 Demonstrate an ability to apply theories and principles to practice in histology
- Objective 1.2 Display the correlation between laboratory specimen processing and product excellence

### **Learning Goal 2. Demonstrate job entry competency, knowledge, and skills.**

Specifically, the student will be able to:

- Objective 2.1 Demonstrate work performance skills
- Objective 2.2 Process specimens utilizing manual and/or computerized methods

### **Learning Goal 3. Employ quality management processes and applications.**

Specifically, the student will be able to:

- Objective 3.1 Prepare and correctly use standards, controls, and reagents
- Objective 3.2 Maintain accurate records
- Objective 3.3 Maintain and troubleshoot laboratory equipment according to department procedures
- Objective 3.4 Evaluate and resolve discrepancies/problems
- Objective 3.5 Demonstrate quality assurance techniques

### **Learning Goal 4. Demonstrate appropriate professional communication skills.**

Specifically, the student will be able to:

- Objective 4.1 Demonstrate cooperation with others
- Objective 4.2 Employ appropriate interactions with other students, faculty, laboratory personnel, and patients
- Objective 4.3 Value punctuality and confidentiality

**Assessment of Program:**

Upon completion of the program, the department administration and faculty will be able to:

**Assessment Goal 1. Evaluate curriculum to correlate with job entry competency levels.**

Specifically, the administration and faculty will be able to:

- Objective 1.1 Analyze graduating student assessment of UND program and clinical site
- Objective 1.2 Analyze clinical site evaluations of students and program
- Objective 1.3 Examine national certification exam scores





<b>Student Learning Goals &amp; Objectives</b>	<b>Educational Experiences</b>	<b>Assessment Methods</b>	<b>Timeline</b>	<b>Responsibilities</b>	<b>Use of Results and Process for Documentation &amp; Decision-Making</b>
<b>Goal 3:</b>					
Objective 3.1	PATH 360/367/368	Performance evaluations	Each semester offered	CLS faculty responsible for course	Review at CLS faculty meeting for curriculum updates
Objective 3.2	PATH 360/367/368	Performance evaluations	Each semester offered	CLS faculty responsible for course	Review at CLS faculty meeting for curriculum updates
Objective 3.3	PATH 360/367/368	Performance evaluations	Each semester offered	CLS faculty responsible for course	Review at CLS faculty meeting for curriculum updates
Objective 3.4	PATH 360/367/368	Performance evaluations	Each semester offered	CLS faculty responsible for course	Review at CLS faculty meeting for curriculum updates
Objective 3.5	PATH 360/367/368	Performance evaluations	Each semester offered	CLS faculty responsible for course	Review at CLS faculty meeting for curriculum updates

Student Learning Goals & Objectives	Educational Experiences	Assessment Methods	Timeline	Responsibilities	Use of Results and Process for Documentation & Decision-Making
<p><b>Goal 4:</b></p> <p>Objective 4.1</p> <p>Objective 4.2</p> <p>Objective 4.3</p>	<p>PATH 360/367/368</p> <p>PATH 360/367/368</p> <p>PATH 360/367/368</p>	<p>Performance evaluations</p> <p>Performance evaluations</p> <p>Performance evaluations</p>	<p>Each semester offered</p> <p>Each semester offered</p> <p>Each semester offered</p>	<p>CLS Clinical Education Coordinator</p> <p>CLS Clinical Education Coordinator</p> <p>CLS Clinical Education Coordinator</p>	<p>Review at faculty meetings</p> <p>Review at faculty meetings</p> <p>Review at faculty meetings</p>

Program Assessment Goals & Objectives		Assessment Methods	Timeline	Responsibilities	Use of Results and Process for Documentation & Decision-Making
<p><b>Goal 1:</b></p> <p>Objective 1.1</p> <p>Objective 1.2</p> <p>Objective 1.3</p>	<p>Entire curriculum</p> <p>Entire curriculum</p> <p>Entire curriculum</p>	<p>Student evaluation of program</p> <p>Clinical site evaluation of program</p> <p>Clinical site evaluation of program</p>	<p>Upon completion</p> <p>Upon completion</p> <p>Annually</p>	<p>HT</p> <p>HT</p> <p>HT, Program Director, Educational Coordinator</p>	<p>Review of curriculum at faculty meetings</p> <p>Review of curriculum at faculty meetings</p> <p>Review of curriculum at faculty meetings</p>

