## KINESIOLOGY - Master of Science in Athletic Training
## Program Learning Outcomes – FA2020-SP2021

**Program Learning Outcome(s):**
To prepare students to establish and understand the importance of inter-professional relationships, while collaborating with other health care professionals to become effective communicators.

**Program Goal:**
Produce high quality, ethical and professional certified athletic trainers for employment in diverse allied health

**Criteria for success:** 80% of students will score a *3 or better* the AACU Oral Communication rubric

**Signature Assignment:** Case study presentation and Executive Summary Presentation

**Course:** ATR6090

**Results of Case Study Presentations**

| Oral Communication Rubric | % of students scoring proficient or mastery on rubric (i.e. 3 or 4) Fall 2018 (n=7) | % of students scoring proficient or mastery on rubric (i.e. 3 or 4) Fall 2019 (n=8) |
|---|---|---|
| *Organization:* | 100% | 100% |
| *Supporting material:* | 100% | 100% |
| *Central message:* | 100% | 100% |
| *Delivery:* | 100% | 100% |
| *Language:* | 100% | 100% |

**Interpretation and Conclusion – Case Study Presentations:**
All of the students met the criteria for this standard.

**Changes to be made:**
No changes are necessary. Faculty will continue to create opportunities to practice delivering oral presentations in a professional setting within the MS-AT research courses (i.e.) prior to ATR700. We will also help students to connect how such assignments will prepare them to deliver essential information in their disciplines as they become experts in their fields.

**Results of Executive Summary Presentations**

| Oral Communication Rubric | % of students scoring proficient or mastery on rubric (i.e. 3 or 4) Fall 2020 (n=20) |
|---|---|
| *Organization:* | 100% |
| *Supporting material:* | 100% |
| *Central message:* | 100% |
| *Delivery:* | 100% |
| *Language:* | 100% |

**Interpretation and Conclusion – Exec Summary Presentation:**
All of the students met the criteria for this standard.

**Changes to be made:**
No changes are necessary based off the current data. However, it should be noted that the content taught in ATR6090 was changed due to new CAATE accreditation standards. As a result, we changed the course assignment from a CASE Report on a musculoskeletal injury to an Executive Summary on Primary and Emergent Care to reflect the new theme of the course. The data presented here represents the first year of student outcomes. We will continue to annually asses this PLO in future fall semesters to come.

**MSAT PLO Data, 2020-21**

**Program Learning Outcome(s):**
To prepare students to develop expertise in the athletic training domains through an integrative experiential clinical model.

To prepare students to demonstrate preparation, knowledge and skill in the delivery of comprehensive health care to a diverse set of patients with musculoskeletal injuries and conditions and illnesses in a distinctly moral and ethical manner, integrating Christian faith with clinical practice.

**Program Goal:**
Produce high quality, ethical and professional certified athletic trainers for employment in diverse allied health

**Criteria for success:**
An average of 100% of students will pass their proficiencies with 100% autonomous in clinical courses

**Signature Assignments:** Clinical Proficiency Packet

**Course:** ATR 6090, ATR6091, ATR6093, ATR6094

**Results of Clinical Proficiency Packet**

|  | % of students scoring at least 80% autonomous on the Clinical Skills and Proficiency Packets |
|---|---|
| ATR6090 Fall 2018 (n=7) | 100% |
| ATR6091 Spring 2019 (n=7) | 100% |
| ATR6090 Fall 2019 (n=8) | 100% |
| ATR6093 Fall 2019 (n=7) | 100% |
| ATR6091 Spring 2020 (n=8) | 100% |
| ATR6094 Spring 2020 (n=7) | 100% |
| ATR6090 Fall 2020 (n=20) | 100% |
| ATR6093 Fall 2020 (n=8) | 100% |
| ATR6091 Spring 2021 (n=20) | 100% |
| ATR6094 Spring 2021 (n=8) | 100% |

**Interpretation and Conclusion:**
All of the students met the criteria for this standard. In the next learning outcome, we also provide data for preceptor evaluations of athletic training student. These results also help us assess this program learning outcome.

**Changes to be made:**
No changes are necessary.

**MSAT PLO Data, 2020-21**

**Program Learning Outcome(s):**
To prepare students to establish and understand the importance of inter-professional relationships, while collaborating with other health care professionals to become effective communicators

To prepare students to demonstrate preparation, knowledge and skill in the delivery of comprehensive health care to a diverse set of patients with musculoskeletal injuries and conditions and illnesses in a distinctly moral and ethical manner, integrating Christian faith with clinical practice.

**Program Goal:**
Produce high quality, ethical and professional certified athletic trainers for employment in diverse allied health

**Criteria for success:**
An average of 80% of students will score a 3 or better on the evaluation

**Signature Assignments:** Clinical Preceptor Evaluation of Athletic Training Student and Domains of Preceptor Evaluation

**Course:** ATR 6090, ATR6091, ATR6093, ATR6094

**Results of Clinical Preceptor Evaluation of Athletic Training Student**

|  | % of students scoring at least an average of 3 or higher on the total evaluation |
| --- | --- |
| ATR6090 Fall 2018 (n=7) | 100% |
| ATR6091 Spring 2019 (n=7) | 100% |
| ATR6090 Fall 2019 (n=8) | 100% |
| ATR6093 Fall 2019 (n=7) | 100% |
| ATR6091 Spring 2020 (n=8) | 100% |
| ATR6094 Spring 2020 (n=7) | 100% |
| ATR6090 Fall 2020 (n=20) | 100% |
| ATR6093 Fall 2020 (n=8) | 100% |
| ATR6091 Spring 2021 | 100% |

| | |
|---|---|
| (n=20) | |
| ATR6094 Spring 2021 (n=8) | 100% |

## Domains of Preceptor Evaluation of Athletic Training Students

| | Excellent - the student demonstrates high ability to meet expectations and objectives for this rotation. | Good - the student meets expectations and objectives for this rotation. | Average - the student minimally meets the expectations and objectives. | Fair - the student inconsistently meets the expectations and objectives. | Poor - the student fails to meet the expectations of and objectives. |
|---|---|---|---|---|---|
| Personal Appearance | 5 | 4 | 3 | 2 | 1 |
| Punctuality | 5 | 4 | 3 | 2 | 1 |
| Dependability | 5 | 4 | 3 | 2 | 1 |
| Compatibility | 5 | 4 | 3 | 2 | 1 |
| Professional Personality | 5 | 4 | 3 | 2 | 1 |
| Professionalism | 5 | 4 | 3 | 2 | 1 |
| Professional Development | 5 | 4 | 3 | 2 | 1 |
| Interpersonal Skills | 5 | 4 | 3 | 2 | 1 |
| Verbal Communication | 5 | 4 | 3 | 2 | 1 |
| Written Communication | 5 | 4 | 3 | 2 | 1 |

**Interpretation and Conclusion:**
All of the students met the criteria for this standard.

**Changes to be made:**
No changes are necessary. The program continues to look very closely at these student evaluations. In the event that a fair or poor is scored on the evaluation, the program faculty will meet with the student and the clinical preceptor to develop a plan for improvement.

# MSAT PLO Data, 2020-21

**Program Learning Outcome(s):**
To prepare students to demonstrate competency in interpreting evidence-based research and improving clinical standards and practice through clinical question development and research methodology model

**Program Goal:**
Foster the development of critical thinking and problem solving skills using an evidence-based approach.

**Criteria for success:**
70% of students will score 80% or better on their overall CAT rubric grade

**Signature Assignment:** Critical Appraisal Topic

**Course:** KIN 6010

**Results of Critical Appraisal Topic**

|  | % of students scoring at least 70% or better on their critical appraisal topic |
| --- | --- |
| Fall 2018 (n=7) | 100% |
| Fall 2019 (n=8) | 100% |
| Fall 2020 (n=20) | 100% |

**Critical Appraisal Topic Abstract Rubric**

|  | **Description** |
| --- | --- |
| *Clinical Scenario (10pts)* | A brief description of the clinical scenario leading to the clinical question. |
| *Clinical Question (10pts)* | A focused clinical question of importance in sport rehabilitation. |
| *Summary of Key Findings (10 pts)* | A bulleted list of the key clinical findings from the search. |
| *Clinical Bottom Line (10 pts)* | The most important take-home message from the available evidence. Some statement regarding the level of available evidence and subsequent strength of recommendations is required |

| Strength of Recommendation (10 pts) | A brief description of the strength of evidence summarized following the critical appraisal |
|---|---|

## Critical Appraisal Topic Main Text Rubric

| | |
|---|---|
| **Search Strategy:** <br> **(5 points)** | Describe the databases and sites searched, the search terms used, and any search limits. The search should ideally have been conducted within several months of submission for publication and should seek to obtain the best available evidence. |
| **PICO** <br> **(5 points)** | Should be in list format – See sample @ JSR website |
| **Inclusion and Exclusion Criteria** <br> **(5 points)** | Explicitly list all inclusion and exclusion criteria for your article inclusion |
| **Search Results** <br> **(5 points)** | In narrative form, describe the results of your search |
| **Best Evidence** <br> **(10 points)** | Indicate how many studies were chosen (MUST INCLUDE AT LEAST 3) for inclusion and appraisal in this CAT and provide the reasons that these studies were selected (ie, level 1 study, etc). <br><br> *JSR* strongly recommends authors use the Centre for Evidence-Based Medicine's definitions in determining level of evidence |
| **Summary of Best Evidence** <br> **(50 points)** | Each of the studies chosen for inclusion in the CAT should be critically appraised in a comparative table. The table might include the following headings: <br><br> Study Design <br> Participants <br> Intervention Investigated <br> Control <br> Experimental <br> Outcome Measures (Primary and Secondary) <br> Main Findings <br> Level of Evidence <br> Validity Score |
| **Conclusion** <br> **(15 points)** | |
| **Implications for Practice, Education, and Future Research** <br> **(25 points)** | Practical discussion based on the information provided from the appraisal of current literature. Anecdotal comments regarding whether or not this intervention is commonly used clinically, cost of this intervention, etc, are appropriate. |
| **Acknowledgements, Conflict of Interest, References** <br> **(0 points)** | |

| | |
|---|---|
| | |

**Interpretation and Conclusion:**
 All of the students met the criteria for this standard.

**Changes to be made:**
No changes necessary. Beginning in the Fall of 2020, the MS-AT cross-listed their section of
KIN6010 with the MS-KIN program to create interdisciplinary learning opportunities and
interactions between students in each program. We will continue this as it has created rich
discussions among our students who are going into diverse areas of healthcare.

**MSAT PLO Data, 2020-21**

**Program Learning Outcome(s):**
To equip students with appropriate knowledge and educational foundation required for an entry-level Certified Athletic Trainer

**Program Goal:**
Prepare students to successfully complete the Board of Certification (BOC) national certification exam.

**Criteria for success:**
Three-year aggregate of 70% BOC Pass Rate

**Signature Assignment:** BOC Examination

**Course:** National Examination

**3-Year Aggregate BOC Examination Pass Rate**

|  | 2018 - 2019 | 2019 - 2020 | 2020 - 2021 | 3 year aggregate |
|---|---|---|---|---|
| Number of students graduating from program. | 12 | 12 | 8 | 32 |
| Number of students graduating from program who took examination. | 12 | 12 | 8 | 32 |
| Number of students who passed the examination on the first attempt. | 9 | 8 | 6 | 23 |
| Percentage of students who passed the examination on the first attempt | 75% | 67% | 75% | 72% |
| Number of students who passed the examination regardless of the number of attempts. | 10 | 11 | 7 | 28 |
| Percentage of students who passed the examination regardless of the number of attempts. | 83% | 91% | 88% | 87% |

**Interpretation and Conclusion:**
All of the students met the criteria for this standard.

**Changes to be made:**

In 2020, the Education Standards for Athletic Training changed. Therefore, the program will need to consider how students will be eligible to sit for the examination since the CAATE requires a 3-year aggregate 1st time pass rate of 70%.