

# Sports and Exercise Analytics (SPRT)

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## **SPRT 6110 Advanced Applied Biomechanics in Injury Prevention and Performance (3 credits)**

In-depth study of advanced biomechanical applications that are used to prevent injuries and improve performance. Major emphases are the critical evaluation of scientific and evidence-based literature along with an in-depth understanding of current biomechanical laboratory techniques.

*Prerequisite:* Admitted to graduate EXRS or SPRT program.

*Level of Study:* Graduate

*Last four terms offered:* 2021 Fall Term, 2019 Fall Term

Schedule of Classes (<https://bulletin.marquette.edu/class-search/?details&code=SPRT%206110>)

## **SPRT 6190 Advanced Strength and Conditioning: Data Analytics (3 credits)**

In-depth exposure into the role and use of data analytics in the field of strength and conditioning. Emphasis is placed on the analysis, interpretation and communication of data in ways that are meaningful and actionable by practitioners.

*Prerequisite:* Admitted to graduate EXRS or SPRT program.

*Level of Study:* Graduate

*Last four terms offered:* 2023 Spring Term, 2022 Fall Term, 2021 Spring Term

Schedule of Classes (<https://bulletin.marquette.edu/class-search/?details&code=SPRT%206190>)

## **SPRT 6600 Project Design and Development in Sports and Exercise Analytics (1 credits)**

Provides mentorship in the design and development of the non-thesis master's project to include selecting the topic, population, community or site for project, design of methods and developing the agreements or contracts for the project. S/U grade assessment.

*Prerequisite:* SPRT 6958.

*Level of Study:* Graduate

*Last four terms offered:* 2023 Summer Term, 2023 Spring Term, 2022 Fall Term, 2022 Spring Term

Schedule of Classes (<https://bulletin.marquette.edu/class-search/?details&code=SPRT%206600>)

## **SPRT 6931 Topics in Sports and Exercise Analytics (1-3 credits)**

Topics are presented that are not a part of the regular course work but are taught because of a special need, interest or opportunity. The number of hours is arranged according to specific circumstances and credits. Exposure to various topics, techniques and methods are presented by experts in the topic. May be taken more than once when topics vary.

*Prerequisite:* Cons. of grad. prog. dir.

*Level of Study:* Graduate

*Last four terms offered:* 2023 Summer Term, 2023 Spring Term, 2022 Spring Term

Schedule of Classes (<https://bulletin.marquette.edu/class-search/?details&code=SPRT%206931>)

## **SPRT 6958 Readings and Research in Sports and Exercise Analytics (0 credits)**

Introduces readings and ongoing research in individual laboratories of faculty within the SPRT program. The number of hours varies, but the rotation typically consists of two rotations. Involves laboratory work, attending laboratory meetings, individual meetings with laboratory PI and oral presentation of progress made in this rotation. Directs students toward potential laboratories with interest or expertise as identified by the student in areas related to sport and exercise analytics. Students select their research mentor and collaborators for their project by the end of the course. SNC/UNC grade assessment.

*Prerequisite:* Admitted to graduate SPRT program.

*Level of Study:* Graduate

*Last four terms offered:* 2023 Summer Term, 2022 Fall Term, 2021 Fall Term, 2020 Fall Term

Schedule of Classes (<https://bulletin.marquette.edu/class-search/?details&code=SPRT%206958>)

## **SPRT 6960 Seminar in Sports and Exercise Analytics (0 credits)**

Scholarly presentations by visiting faculty and clinicians, resident faculty and graduate students on current topics related to clinical and translational rehabilitation health.

*Prerequisite:* Admitted to graduate EXRS or SPRT program.

*Level of Study:* Graduate

*Last four terms offered:* 2023 Spring Term, 2022 Spring Term

Schedule of Classes (<https://bulletin.marquette.edu/class-search/?details&code=SPRT%206960>)

## **SPRT 6995 Independent Study in Sports and Exercise Analytics (1-3 credits)**

Independent study under the direction of faculty.

*Prerequisite:* Cons. of instr.

*Level of Study:* Graduate

*Last four terms offered:* 2023 Spring Term

Schedule of Classes (<https://bulletin.marquette.edu/class-search/?details&code=SPRT%206995>)

**SPRT 6998 Professional Project in Sport and Exercise Analytics (1-2 credits)**

Required course for the non-thesis option in Sport and Exercise Analytics. The final output of the course is a presentation of a completed project that meets project director's approval. S/U grade assessment.

*Prerequisite:* SPRT 6600.

*Level of Study:* Graduate

*Last four terms offered:* 2023 Spring Term, 2022 Spring Term

Schedule of Classes (<https://bulletin.marquette.edu/class-search/?details&code=SPRT%206998>)

**SPRT 6999 Master's Thesis (1-6 credits)**

S/U grade assessment.

*Level of Study:* Graduate

*Last four terms offered:* 2023 Spring Term, 2022 Fall Term, 2022 Spring Term

Schedule of Classes (<https://bulletin.marquette.edu/class-search/?details&code=SPRT%206999>)

**SPRT 9970 Graduate Standing Continuation: Less than Half-Time (0 credits)**

Fee. SNC/UNC grade assessment. Designated as less than half-time status only, cannot be used in conjunction with other courses, and does not qualify students for financial aid or loan deferment.

*Prerequisite:* Cons. of prog. dir.

*Level of Study:* Graduate

*Last four terms offered:* 2023 Spring Term

Schedule of Classes (<https://bulletin.marquette.edu/class-search/?details&code=SPRT%209970>)

**SPRT 9974 Graduate Fellowship: Full-Time (0 credits)**

Fee. SNC/UNC grade assessment. Designated as full-time status. If a student is already registered in other courses full time, this continuation course is not needed.

*Prerequisite:* Cons. of prog. dir.

*Level of Study:* Graduate

Schedule of Classes (<https://bulletin.marquette.edu/class-search/?details&code=SPRT%209974>)

**SPRT 9975 Graduate Assistant Teaching: Full-Time (0 credits)**

Fee. SNC/UNC grade assessment. Designated as full-time status. If a student is already registered in other courses full time, this continuation course is not needed.

*Prerequisite:* Cons. of prog. dir.

*Level of Study:* Graduate

Schedule of Classes (<https://bulletin.marquette.edu/class-search/?details&code=SPRT%209975>)

**SPRT 9976 Graduate Assistant Research: Full-Time (0 credits)**

Fee. SNC/UNC grade assessment. Designated as full-time status. If a student is already registered in other courses full time, this continuation course is not needed.

*Prerequisite:* Cons. of prog. dir.

*Level of Study:* Graduate

Schedule of Classes (<https://bulletin.marquette.edu/class-search/?details&code=SPRT%209976>)

**SPRT 9991 Professional Project Continuation: Less than Half-Time (0 credits)**

Fee. SNC/UNC grade assessment. Allows a student to be considered the equivalent of less than half-time status. Requires that the student is working less than 12 hours per week on their professional project. Any professional project credits required for the degree should be completed before registering for non-credit Professional Project Continuation.

*Level of Study:* Graduate

*Last four terms offered:* 2022 Fall Term

Schedule of Classes (<https://bulletin.marquette.edu/class-search/?details&code=SPRT%209991>)

**SPRT 9992 Professional Project Continuation: Half-Time (0 credits)**

Fee. SNC/UNC grade assessment. Allows a student to be considered the equivalent of half-time status. Requires that the student is working more than 12 to less than 20 hours per week on their professional project. Any project credits required for the degree should be completed before registering for non-credit Professional Project Continuation.

*Prerequisite:* Cons. of graduate prog. dir.

*Level of Study:* Graduate

Schedule of Classes (<https://bulletin.marquette.edu/class-search/?details&code=SPRT%209992>)

**SPRT 9993 Professional Project Continuation: Full-Time (0 credits)**

Fee. SNC/UNC grade assessment. Allows a student to be considered the equivalent of full-time status. Requires that the student is working 20 hours or more per week on their professional project. Any professional project credits required for the degree should be completed before registering for non-credit Professional Project Continuation.

*Prerequisite:* Cons. of graduate prog. dir.

*Level of Study:* Graduate

Schedule of Classes (<https://bulletin.marquette.edu/class-search/?details&code=SPRT%209993>)

**SPRT 9994 Master's Thesis Continuation: Less than Half-Time (0 credits)**

Fee. SNC/UNC grade assessment. Allows a student to be considered the equivalent of less than half-time status. Requires that the student is working less than 12 hours per week on their master's thesis. All six thesis credits required for the degree should be completed before registering for non-credit Master's Thesis Continuation.

*Prerequisite:* Cons. of graduate prog. dir.

*Level of Study:* Graduate

Schedule of Classes (<https://bulletin.marquette.edu/class-search/?details&code=SPRT%209994>)

**SPRT 9995 Master's Thesis Continuation: Half-Time (0 credits)**

Fee. SNC/UNC grade assessment. Allows a student to be considered the equivalent of half-time status. Requires that the student is working more than 12 to less than 20 hours per week on their master's thesis. All six thesis credits required for the degree should be completed before registering for non-credit Master's Thesis Continuation.

*Prerequisite:* Cons. of graduate prog. dir.

*Level of Study:* Graduate

Schedule of Classes (<https://bulletin.marquette.edu/class-search/?details&code=SPRT%209995>)

**SPRT 9996 Master's Thesis Continuation: Full-Time (0 credits)**

Fee. SNC/UNC grade assessment. Allows a student to be considered the equivalent of full-time status. Requires that the student is working 20 hours or more per week on their master's thesis. All six thesis credits required for the degree should be completed before registering for non-credit Master's Thesis Continuation.

*Level of Study:* Graduate

*Last four terms offered:* 2023 Spring Term, 2022 Fall Term, 2022 Spring Term

Schedule of Classes (<https://bulletin.marquette.edu/class-search/?details&code=SPRT%209996>)