

KIN146 : Advanced Baseball Theory

General Information

| | |
|---|--|
| Author: | <ul style="list-style-type: none">Erin Calderone |
| Course Code (CB01) : | KIN146 |
| Course Title (CB02) : | Advanced Baseball Theory |
| Department: | KIN |
| Proposal Start: | Summer 2025 |
| TOP Code (CB03) : | (1270.00) Kinesiology |
| CIP Code: | (31.0505) Exercise Science and Kinesiology. |
| SAM Code (CB09) : | Non-Occupational |
| Distance Education Approved: | No |
| Will this course be taught asynchronously?: | No |
| Course Control Number (CB00) : | CCC000555827 |
| Curriculum Committee Approval Date: | 11/13/2024 |
| Board of Trustees Approval Date: | 12/17/2024 |
| Last Cyclical Review Date: | 05/22/2024 |
| Course Description and Course Note: | <p>KIN 146 is a project-based course which focuses on the analytical dimensions of baseball. This course builds on foundational knowledge established in KIN 144 by exploring emerging theoretical models of movement and performance. Skills in baseball-specific motion analysis will be introduced, as well as the interpretation of technology-based training tools like Rapsodo. Charting and scouting skills will be developed. Along with KIN 144, this course prepares students for entry-level careers in baseball coaching, operations, scouting, and/or player development. Note: KIN 146 is recommended for Kinesiology majors and students planning to participate in varsity baseball for a second year.</p> |
| Justification: | Content Change |
| Academic Career: | <ul style="list-style-type: none">Credit |
| Mode of Delivery: | No value |
| Author: | No value |
| Course Family: | No value |

Academic Senate Discipline

| | |
|-----------------------|---|
| Primary Discipline: | <ul style="list-style-type: none">Kinesiology |
| Alternate Discipline: | <ul style="list-style-type: none">Coaching |
| Alternate Discipline: | No value |

Course Development

Basic Skill Status (CB08)

Course is not a basic skills course.

Allow Students to Gain Credit by Exam/Challenge

Course Special Class Status (CB13)

Course is not a special class.

Pre-Collegiate Level (CB21)

Not applicable.

Grading Basis

- Grade with Pass / No-Pass Option

Course Support Course Status (CB26)

Course is not a support course

General Education and C-ID

General Education Status (CB25)

Not Applicable

Transferability

Transferable to both UC and CSU

Transferability Status

Approved

CSU GE-Breadth Area

E-Lifelong Learning and Self-Development

Area

Lifelong Learning and Self-Development

Status

Approved

Approval Date

No value

Comparable Course

No Comparable Course defined.

Units and Hours

Summary

| | |
|--|-----|
| Minimum Credit Units (CB07) | 2 |
| Maximum Credit Units (CB06) | 2 |
| Total Course In-Class (Contact) Hours | 36 |
| Total Course Out-of-Class Hours | 72 |
| Total Student Learning Hours | 108 |

Credit / Non-Credit Options

Course Type (CB04)

Credit - Degree Applicable

Noncredit Course Category (CB22)

Credit Course.

Noncredit Special Characteristics

No Value

Course Classification Code (CB11)

Credit Course.

Funding Agency Category (CB23)

Not Applicable.

Cooperative Work Experience Education Status (CB10)

Variable Credit Course

Weekly Student Hours

| | In Class | Out of Class |
|------------------|----------|--------------|
| Lecture Hours | 2 | 4 |
| Laboratory Hours | 0 | 0 |
| Studio Hours | 0 | 0 |

Course Student Hours

| | |
|--------------------------------|----|
| Course Duration (Weeks) | 18 |
| Hours per unit divisor | 54 |

Course In-Class (Contact) Hours

| | |
|--------------|----|
| Lecture | 36 |
| Laboratory | 0 |
| Studio | 0 |
| Total | 36 |

Course Out-of-Class Hours

| | |
|--------------|----|
| Lecture | 72 |
| Laboratory | 0 |
| Studio | 0 |
| Total | 72 |

Time Commitment Notes for Students

No value

Units and Hours - Weekly Specialty Hours

| Activity Name | Type | In Class | Out of Class |
|---------------|----------|----------|--------------|
| No Value | No Value | No Value | No Value |

Pre-requisites, Co-requisites, Anti-requisites and Advisories

Prerequisite

KIN144 - Baseball Theory

Or Co-Requisite

Objectives

- Recite the rules and regulations of baseball.
- Demonstrate knowledge of the basic mental aspects associated with baseball competition.
- Recognize defensive strategies and fundamentals of the game as they apply to the various positions on the field.
- Recognize offensive strategies and fundamentals as they apply to batting and base running.
- Recall and apply various practice schemes and drills.
- Analyze concepts of team dynamics and game philosophy.

Entry Standards

Entry Standards

Description

No value

No value

Course Limitations

Cross Listed or Equivalent Course

Description

No value

No value

Specifications

Methods of Instruction

Methods of Instruction

Lecture

Methods of Instruction

Collaborative Learning

Methods of Instruction

Guest Speakers

Methods of Instruction

Demonstrations

Methods of Instruction

Discussion

Methods of Instruction

Multimedia

Methods of Instruction

Presentations

Out of Class Assignments

- Written assignments (e.g. game reflection)

- Weekly goal setting (e.g. worksheet game goals)

Methods of Evaluation

Exam/Quiz/Test

Activity (answering journal prompt, group activity)

Exam/Quiz/Test

Rationale

Quizzes

Oral reports (e.g. scouting)

Midterm and Final exams

Textbook Rationale

No Value

Textbooks

Author

Title

Publisher

Date

ISBN

Bleeker, Eugene

Old school vs. new school : The application of data & technology into baseball

108 Performance

2020

9781076892928

Neyer, Rob

Power ball : anatomy of a modern baseball game

Harper, an imprint of HarperCollins Publishers, New York, NY

2018

978-0062853615

Other Instructional Materials (i.e. OER, handouts)

No Value

Materials Fee

No value

Learning Outcomes and Objectives

Course Objectives

Analyze various movement patterns related to offensive production.

Analyze various movement patterns related to pitching.

Analyze both offensive and defensive strategies as they apply to advanced competition.

Critique problem areas of individual performance and formulate successful solutions.

SLOs

Identify and assess various analytical and statistical models of performance.

Expected Outcome Performance: 70.0

Produce advanced scouting charts and reports.

Expected Outcome Performance: 70.0

Produce scouting profiles of individual players.

Expected Outcome Performance: 70.0

Additional SLO Information

Does this proposal include revisions that might improve student attainment of course learning outcomes?

No

Is this proposal submitted in response to learning outcomes assessment data?

No

If yes was selected in either of the above questions for learning outcomes, explain and attach evidence of discussions about learning outcomes.

No Value

SLO Evidence

No Value

Course Content

Lecture Content

Advanced Hitting Analysis (12 hours)

- Hitting Approach/Strategies
- Swing Mechanics
- Scouting Profile
- Strengths/Weaknesses
- Terminology
- Motion Analysis
- Statistical Analysis
- Pro/Spray Charting
- Basic Pitchers' Apps

Advanced Pitching Analysis(12 hours)

- Intro to Rapsodo
- Pitch Types
- Pitch Velocity
- Pitch Spin: Direction & Gyro Degree
- Causes of Pitch Spin
- Results of Pitch Profiles
- Pitch Break
- 3-Dimensional Vector Technology
- Pitch Types
- Pitch Sequencing

- Four Dimensions of Pitching

Advanced Scouting (12 hours)

- Intro to Pro Chart
- Generating Scouting Reports
- Spray Charts
- Watching the game critically
- Team Scouting
- Individual Scouting
- Player Profiles and Tendencies
- Hitter Chart
- Pitcher Chart
- Composite Reports
- Predicting Trends and Outcomes

Total hours: 36

Additional Information

Is this course proposed for GCC Major or General Education Graduation requirement? If yes, indicate which requirement in the two areas provided below.

No

GCC Major Requirements

No Value

GCC General Education Graduation Requirements

No Value

Repeatability

Not Repeatable

Justification (if repeatable was chosen above)

No Value

Resources

Did you contact your departmental library liaison?

Yes

If yes, who is your departmental library liason?

Becka Cooling (Kinesiology, Social Sciences)

Did you contact the DEIA liaison?

No

Were there any DEIA changes made to this outline?

No

If yes, in what areas were these changes made:

No Value

Will any additional resources be needed for this course? (Click all that apply)

- No

If additional resources are needed, add a brief description and cost in the box provided.

No Value