

# BRANDON FORD

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Lecturer and Department Chair with 17 years of experience in teaching Developmental Mathematics, Mathematics, and Business courses. Have taught MATH 1314, MATH 1342, MATH 1324, BUSI 2305, and all Developmental Math and Co-Requisite courses in every format offered at Navarro College, including dual credit, online, hybrid, lecture and VTEL formats. Detailed courses and descriptions are below.

## EDUCATION

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| Texas A&M Commerce        | Master of Science, Mathematics (18 Hours)    | May 2016 |
| Tarleton State University | Master of Science, Management and Leadership | May 2013 |
| Baylor University         | Bachelor of Science, Mathematics             | May 2006 |
| Navarro College           | Associate of Science, General Studies        | May 2002 |
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## HONORS AND AWARDS

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### **NISOD Teaching Excellence Award** 2018

The faculty innovation award given by NISOD is presented to faculty recommended by their co-workers as exceptional in the classroom. At the time, three faculty from Navarro College's 4 campuses were awarded this distinction.

### **Faculty Innovation Grant** 2020, 2018

I was awarded a faculty innovation grant from the Navarro College foundation to improve technology in the classrooms. The 2018 grant was used to purchase 3 iPad tablets and 3 Apple TVs to project lecture while in class. This has also allowed for the recording of lectures and the posting of class notes through OneNote into Navarro College's Learning Management System, Canvas. The 2020 grant allowed for the purchase of SWIVL software used for adjuncts to record lectures.

## TEACHING EXPERIENCE

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**Navarro College, Corsicana TX**  
**Associate Professor, Developmental Studies**

May 2007 to Aug 2017

- MTH 0302, a non-credit bearing course averaging 30 students per class, covering the following topics: Basics of Mathematics including number theory and arithmetic operations.
- Taught Using Hawkes Learning Systems software, Blackboard Learning Management System, and Canvas Learning Management System
- Developed quizzes, exams, and homework
- Revised the syllabus to meet accreditation standards
- Developed lecture strategies which coincided with homework software

**Navarro College**, Corsicana TX

Aug 2012 to Aug 2021

**Associate Professor**, Developmental Studies

- MTH 0305, a non-credit bearing course averaging 30 students per class, covering the following topics: Solving Linear Equations and Inequalities, Solving Systems of Linear Equations and Graphing, Operations on Polynomials, and Exponentials. This course was a bi-directional preparation course for College Algebra (MATH 1314) or Statistics (MATH 1342)
- Taught Using Hawkes Learning Systems software, Blackboard Learning Management System, and Canvas Learning Management System
- Developed quizzes, exams, and homework
- Revised the syllabus to meet accreditation standards
- Developed lecture strategies which coincided with homework software

**Navarro College**, Corsicana TX

Aug 2012 to Aug 2021

**Associate Professor**, Developmental Studies

- MTH 0306, a non-credit bearing course averaging 30 students per class, covering the following topics: Factoring, Rational and Radical equations and expressions, Solving various forms of equations. This course was a direct preparation course for College Algebra (MATH 1314)
- Taught Using Hawkes Learning Systems software, Blackboard Learning Management System, and Canvas Learning Management System
- Developed quizzes, exams, and homework
- Revised the syllabus to meet accreditation standards
- Developed lecture strategies which coincided with homework software

**Navarro College**, Corsicana TX

Jan 2017 to Present

**Associate Professor**, Developmental Studies

- NCBM 0314, 0342, 0324, Non-Course Based classes. These non-credit bearing co-requisite courses average 20 students per class, offering just-in-time remediation for College Algebra (MATH 1314), Statistics (MATH 1342), and Business Math (MATH 1324). All courses have been taught in an online and face to face environment. Topics include Factoring, Quadratic Formula, Rules of Exponents, Operations on Polynomials, Operations on Real and Imaginary Numbers, and skills as needed to ensure success in College Algebra and Business Math as well as evaluation of functions, real numbers, and just in time remediation for Statistics.

- Taught using Hawkes Learning Systems software and the Canvas Learning Management system
- Developed quizzes, exams, and homework
- Revised the syllabus to meet accreditation standards
- Worked with a two-professor team for the design, structure, and implementation of the Co-Requisite course.

**Navarro College, Corsicana TX**

Jan 2018 to Present

**Associate Professor, Mathematics**

- MATH 1314, College Algebra, a bearing course averaging 30 students per class. Course offered in an online and face to face environment. Topics include Quadratic Functions, Inverses, Function Composition, Synthetic Division, Matrices, Rational Equations, Logarithms, Exponential equations, and higher degree functions.
- Taught using Hawkes Learning Systems software and the Canvas Learning Management system
- Developed curriculum, lecture, quizzes, exams, and homework
- Revised the syllabus to meet accreditation standards
- Worked with a two-professor team for the design, structure, and implementation of the Co-Requisite course.

**Navarro College, Corsicana TX**

Aug 2019 to Present

**Professor, Mathematics**

- MATH 1342, Statistics, a bearing course averaging 30 students per class. Course offered in an online and face to face environment. Topics include Collection analysis presentation and interpretation of data and probability. Analysis includes descriptive statistics, correlation and regression confidence intervals and hypothesis testing.
- Taught using Hawkes Learning Systems software and the Canvas Learning Management system
- Developed curriculum, lecture, quizzes, exams, and homework
- Revised the syllabus to meet accreditation standards
- Worked with a two-professor team for the design, structure, and implementation of the Co-Requisite course.

**Navarro College, Corsicana TX**

Jan 2021 to Present

**Professor, Mathematics**

- BUSI 2305, Business Statistics, a bearing course averaging 30 students per class. Course offered in an online environment as well as ITV, Hybrid format. Topics include: the collection, description, analysis, and summarization of data; probability; discrete and continuous random variables; the binomial and normal distributions; sampling distributions; tests of hypotheses; estimation and confidence intervals; linear regression; and correlation analysis.
- Utilized Cengage Learning System and Canvas Learning Management System
- Developed curriculum, lecture, quizzes, exams, and homework
- Revised the syllabus to meet accreditation standards

- Worked with a two-professor team for the design, structure, and implementation of the Co-Requisite course.
- Student demographics included Dual Credit students
- Worked with Secondary Education staff to coordinate student testing and support for Dual Credit Students

**Hill College, Hillsboro, TX**

August 2023 to Present

**Adjunct Professor of Mathematics**

- MATH 1316, Plane Trigonometry, an in-depth study of applications of trigonometry including definitions, identities, inverse functions, solutions of equations, graphing, and solving triangles. Additional topics such as vectors, polar coordinates and parametric equations may be included. Prerequisite: MATH 1314 or concurrent registration or permission of instructor.
- Taught in an online format using Schoology and Pearson MyLab
- Developed curriculum, lecture, quizzes, exams, and homework
- Revised the syllabus to meet accreditation standards
- Student demographics included Dual Credit students
- Worked with Secondary Education staff to coordinate student testing and support for Dual Credit Students

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**PRESENTATIONS AND INVITED LECTURES**

**The Summit**, Hawkes Learning Systems, Charleston SC

2013 – Present

The Summit (formerly known as RTime) focuses on classroom teaching strategies. At its inception, the conference focused on Developmental Education, but has now expanded to multiple disciplines. I have co-presented regarding the transition to Co-Requisite models in both online and face to face instruction. [OBJ]

**NADE, National Association of Developmental Educators, Anaheim CA**

2016

I was given the chance to co-present at NADE on the use of software at Navarro College to teach Developmental and Co-Requisite models and instructional strategies to improve student success in Co-Requisite courses.

**AMATYC, American Mathematical Association of Two-Year Colleges, Orlando, FL** 2018

The presentation for AMATYC focused on the implementation of Co-Requisite Models at Navarro College as well as reporting tools for Student Learning Outcomes. Co-Requisite courses were new at time and my co-presenter and I discussed various challenges (and resolutions) faced during the implementation process.

**CASP, College Academic Support Programs, Waco, TX**

2019

Co-presented regarding Navarro College's implementation of Co-requisite courses and the use of software-aided instruction. This session covered Navarro college's structure as well as teaching methodology in a Co-requisite course.

**Professional training, Coastal Bend College, Beeville, TX** 2020

Shared instructional strategies for the Non-Course Based courses in Mathematics. Co-presented activities and instructor-utilized software to improve student engagement and retention corresponding with just-in-time remediation.

**Presenter – NOSS, Las Vegas NV** 2024

Presented strategies to improve engagement, success, and retention of students in Non-Course Based Mathematics courses. The presentation focused on hands-on activities that could be implemented in a Co-Requisite course to improve engagement and understanding of course topics

**Presenter – Symposium for College Algebra** 2024

Collaborated with College Algebra faculty throughout the nation on strategies for successfully teaching College Algebra. Also presented on strategies to best utilize features of the Hawkes Learning Systems software to report on student success in Mathematics courses.

#### **PROFESSIONAL TRAINING**

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|--|------|
| Title IX Certification                             | 2023 |
| Canvas Instructor Certification                    | 2017 |
| Blackboard Instructor Certification                | 2012 |
| Blackboard Transaction Administrator Certification | 2006 |
| Blackboard Learning Administrator Certification    | 2006 |

#### **PROFESSIONAL AFFILIATIONS**

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Phi Theta Kappa, 2016-Present

Texas Community College Teachers Association, 2020-Present

American Mathematical Association of Two-Year Colleges, 2018-2019  
Description of role or responsibilities, if applicable.

National Institute for Staff and Organizational Development (NISOD), 2018-2019

National Association of Developmental Educators, 2016-2017

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## **PROFESSIONAL SERVICE**

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### **Phi Theta Kappa, Adviser**

I have worked with the International Honor Society Phi Theta Kappa since 2017. Duties included budgeting and navigating club processes, organizing student invitation and induction ceremonies, composing letters of recommendation, organizing fundraising and community service. Additional responsibilities included organizing club travel to conferences and overseeing the 5-star chapter plan. Zeta Omicron advanced from a 1-star chapter to a 5-star chapter during a 2-year span.

### **Dean of Sciences, Kinesiology and Developmental Studies (SKP)**

I served as Interim Dean of SKP from July 2017 through December 2017. During this time, I was able to improve the science building, Drane Hall, with renovations and upgraded the Chemistry Lab. I also managed National Science Foundation grants and their reporting. Managed faculty concerns and course scheduling.

### **Title IX – Deputy of Students**

I served as Deputy of Students for Navarro College's Title IX department. This position supported the Coordinator of Title IX by assisting in intake meetings, serving on the committee to determine Title IX eligibility, as well as facilitating student hearings.

### **Retirement Committee Member**

I served on the Retirement Committee for the Navarro College Retirement plan. This volunteer position's responsibilities included meeting with bank representatives who manage the retirement account and support the college in encouraging faculty and staff to enroll in the retirement program.

### **Department Chair – Developmental Studies**

I have served as the Department Chair for Developmental Studies since 2017. In my time as department chair I have coordinated faculty schedules, took an active role in the implementation of House Bill 2223 (Co-requisite courses), organized, and maintained Student Learning Outcome (SLO reports), completed annual and comprehensive program reviews, and managed adjunct faculty throughout the Navarro College district.