

BASIC COLLEGE MATHEMATICS AN APPLIED APPROACH AUFMANN Workbook

Introduction to Basic College Mathematics: An Applied Approach Aufmann

Basic college mathematics an applied approach aufmann is a comprehensive educational resource designed to equip students with fundamental mathematical skills essential for academic success and real-world problem solving. Rooted in practical applications, this approach emphasizes understanding concepts through real-life contexts, making mathematics accessible and relevant to a diverse student population. Developed by Ralph B. Aufmann, this method integrates clear explanations, engaging exercises, and strategic learning techniques to foster mathematical literacy.

In today's fast-paced and data-driven world, mastery of basic mathematics is more critical than ever. Whether you're a college student preparing for advanced coursework, a professional seeking to improve quantitative skills, or an individual aiming to enhance problem-solving abilities, this approach offers a solid foundation. By focusing on core topics such as algebra, functions, geometry, and data analysis, along with applied problem-solving strategies, it ensures learners develop both conceptual understanding and practical proficiency.

This article provides an in-depth exploration of the "Basic College Mathematics: An Applied Approach Aufmann," highlighting its key features, curriculum structure, pedagogical strategies, and benefits. Whether you're an educator designing a curriculum or a student looking to excel, understanding this approach will clarify how it can serve as a valuable tool for mathematical mastery.

Overview of the Aufmann Basic College Mathematics Approach

Key Principles and Pedagogical Philosophy

The Aufmann approach is distinguished by several foundational principles:

- **Real-World Applications:** Emphasizes applying mathematical concepts to everyday scenarios, such as budgeting, shopping, and employment data analysis.
- **Active Learning:** Encourages students to engage through problem-solving, practice exercises, and critical thinking.
- **Sequential Progression:** Builds mathematical skills gradually, ensuring a solid understanding

before moving to more complex topics.

- Visual Learning: Incorporates diagrams, charts, and visual aids to enhance comprehension.
- Clear Explanations: Provides straightforward, jargon-free explanations to demystify mathematical concepts.

These principles aim to make mathematics less intimidating and more relevant, fostering confidence and competence among learners.

Curriculum Content and Structure

The "Basic College Mathematics: An Applied Approach Aufmann" curriculum typically covers the following key areas:

- Fundamentals of Mathematics
 - Number properties
 - Fractions, decimals, and percentages
 - Ratios and proportions
- Algebra
 - Simplifying expressions
 - Solving linear equations and inequalities
 - Polynomial operations
 - Factoring techniques
- Functions and Graphs
 - Understanding functions and their notation
 - Graphing linear and nonlinear functions
 - Interpreting graphs in context
- Geometry

- Basic geometric figures and properties
- Perimeter, area, and volume calculations
- Geometric reasoning and proofs

- Data Analysis and Statistics

- Collecting and organizing data
- Measures of central tendency
- Probability concepts
- Using data to make informed decisions

- Financial Mathematics

- Simple and compound interest
- Analyzing loans, mortgages, and investments
- Budgeting and financial planning

Each module is designed to reinforce prior knowledge while introducing new skills through practical exercises and real-world applications.

Pedagogical Strategies and Teaching Tools

Active Engagement and Problem-Based Learning

Aufmann's method encourages active participation through:

- Worked Examples: Step-by-step solutions that model problem-solving techniques.
- Practice Problems: Varied exercises to reinforce learning and build confidence.
- Real-Life Scenarios: Contextual problems based on everyday situations, such as shopping discounts or loan calculations.

Visual Aids and Interactive Resources

To cater to different learning styles, the approach incorporates:

- Diagrams, charts, and graphs
- Interactive digital tools and online exercises
- Visual representations of algebraic and geometric concepts

Assessment and Feedback

Regular quizzes, chapter tests, and cumulative assessments help track progress. Immediate feedback ensures learners understand mistakes and correct misconceptions promptly.

Benefits of the Aufmann Approach to Basic College Mathematics

Enhances Conceptual Understanding

By focusing on applied contexts, students grasp not just how to perform calculations but why techniques work, leading to deeper comprehension.

Builds Problem-Solving Skills

Students learn to analyze problems critically, select appropriate strategies, and verify solutions?skills vital beyond mathematics coursework.

Prepares for Advanced Courses and Careers

A solid mathematical foundation opens doors to fields like business, engineering, social sciences, and health sciences, where quantitative reasoning is essential.

Boosts Confidence and Motivation

Real-world relevance makes learning engaging, reducing math anxiety and encouraging persistence.

How to Maximize Learning with Basic College Mathematics: An Applied Approach Aufmann

To derive the maximum benefit from this resource, consider the following tips:

- Practice Regularly: Consistent problem-solving cements concepts.
- Utilize Visual Aids: Use diagrams and charts to understand complex topics.
- Connect Math to Real Life: Apply lessons to personal financial decisions or hobbies.
- Seek Help When Needed: Use supplementary resources or tutor support if concepts are

challenging.

- Review and Reflect: Regularly revisit previous lessons to reinforce understanding.

Conclusion: The Value of an Applied Approach in College Mathematics

"Basic College Mathematics: An Applied Approach Aufmann" offers a practical, student-centered pathway to mastering essential mathematical skills. By combining clear explanations, real-world applications, and active learning strategies, it prepares students not only for academic success but also for real-life challenges that require quantitative reasoning. Whether used in classroom settings or for self-study, this approach fosters confidence, critical thinking, and a deeper appreciation of mathematics' role in everyday life.

Investing in understanding foundational mathematics through the Aufmann method can significantly impact your educational journey and future career prospects. Embrace this applied approach to unlock the power of mathematics and develop skills that transcend the classroom.

Basic College Mathematics: An Applied Approach Aufmann ? An In-Depth Review

Introduction

In the realm of higher education, mathematics serves as a foundational pillar that supports various disciplines, from engineering to social sciences. Among the myriad textbooks and curricula designed to introduce students to mathematical concepts, Basic College Mathematics: An Applied Approach by Richard Aufmann has garnered considerable attention. This review aims to provide a comprehensive analysis of the textbook's pedagogical approach, content structure, strengths, limitations, and its overall impact on learners seeking to master fundamental mathematical skills through an applied lens.

Overview of the Textbook

Basic College Mathematics: An Applied Approach is designed to facilitate understanding of essential mathematical concepts with a focus on real-world applications. Its primary audience includes college students who may not be pursuing mathematics-intensive degrees but require a solid grasp of basic math skills for their academic or professional pursuits. The book emphasizes practicality, aiming to connect mathematical theory with everyday problem-solving scenarios.

The textbook is typically structured into multiple chapters, each targeting specific topics such as algebra, functions, linear equations, systems of equations, polynomials, and introductory statistics. Its hallmark is the integration of applied problems, which situates mathematical principles within contexts relevant to students' lives and future careers.

Pedagogical Framework and Methodology

Aufmann's approach hinges on a constructivist philosophy of learning mathematics by doing and understanding its relevance. The textbook employs several pedagogical strategies:

- Real-World Applications: Each chapter begins with contextualized problems, illustrating how mathematical concepts are utilized outside the classroom.
- Step-by-Step Explanations: Concepts are broken down into manageable steps, fostering incremental understanding.
- Visual Aids and Illustrations: Diagrams, charts, and visual representations clarify complex ideas.
- Practice Problems and Exercises: A variety of problems, ranging from basic to challenging, reinforce learning.
- Technology Integration: The book encourages the use of graphing calculators and software tools to explore concepts interactively.
- Accessible Language: Technical jargon is minimized, with definitions and explanations tailored for beginners.

Content Analysis

Core Topics Covered

The textbook systematically introduces foundational mathematical concepts, ensuring a coherent progression:

- Basic Arithmetic and Number Operations: Review of fractions, decimals, percentages, and ratios.
- Algebraic Principles: Solving linear equations, inequalities, and simplifying expressions.
- Functions and Graphs: Understanding functions, plotting graphs, and interpreting their meaning.
- Systems of Equations: Techniques for solving systems algebraically and graphically.
- Polynomials and Factoring: Basic polynomial operations and factoring methods.
- Introductory Statistics and Probability: Data analysis, measures of central tendency, and probability basics.
- Financial Mathematics: Simple interest, compound interest, and annuities—areas highly applicable to daily financial decisions.

Applied Problem Sets

A distinguishing feature of Aufmann's book is its emphasis on application problems. These are categorized into:

- Personal Finance: Budgeting, loans, and interest calculations.
- Workplace Scenarios: Inventory management, work rate problems.
- Consumer Mathematics: Shopping discounts, sales tax, and tip calculations.
- Data Analysis: Interpreting charts and understanding statistical measures.

Such problems are designed not only to reinforce the mathematical procedures but also to develop critical thinking and decision-making skills.

Evaluation of Pedagogical Effectiveness

Strengths

- Relevance and Engagement: By anchoring problems in real-world contexts, students find the material more engaging and meaningful.
- Gradual Skill Building: The incremental approach helps learners build confidence without feeling overwhelmed.
- Visual Learning Support: Diagrams and illustrations cater to diverse learning styles.
- Supplementary Resources: Companion materials, such as online tutorials, videos, and worksheets, further enhance understanding.
- Accessibility: Clear language and straightforward explanations reduce barriers for students with varied backgrounds.

Limitations

- Depth of Content: While suitable for introductory courses, the book may lack depth for students seeking advanced mathematical understanding.
- Technological Dependence: Heavy reliance on calculator and software use could marginalize learners with limited access to technology.
- Assessment Variability: The quality and difficulty level of practice problems vary; some may not adequately challenge advanced students.
- Limited Theoretical Rigor: The focus on application sometimes sacrifices mathematical rigor, which could be a drawback for aspiring mathematicians.

Comparison with Other Textbooks

Compared to traditional textbooks that prioritize theory and proofs, Basic College Mathematics: An Applied Approach emphasizes practical skills. For instance, while books like Elementary and Intermediate Algebra by Blitzer delve deeply into algebraic theory, Aufmann's text remains accessible, prioritizing usability over theoretical complexity.

In the context of applied mathematics education, the Aufmann approach aligns with contemporary pedagogical trends that favor experiential learning and relevance. Its focus on real-world problems distinguishes it from more abstract approaches, making it particularly suitable for non-mathematics majors.

Impact on Student Learning

Empirical evidence and user feedback suggest that students often find Aufmann's textbook motivating and easier to grasp than more traditional texts. The applied focus helps demystify mathematics, reducing math anxiety and fostering confidence.

However, some educators note that students may require supplementary materials to deepen their understanding of underlying principles, especially if they intend to pursue further studies in mathematics.

Conclusion

Basic College Mathematics: An Applied Approach by Richard Aufmann stands out as an effective introductory resource that bridges mathematical concepts with practical application. Its pedagogical strategies, emphasis on real-world problems, and user-friendly presentation make it a valuable tool for fostering foundational mathematical skills among college students.

While it may not satisfy those seeking rigorous theoretical exploration, its strengths in engagement and applicability render it a commendable choice for introductory courses aimed at diverse learner populations. As mathematics education continues to evolve, resources like Aufmann's serve an essential role in making mathematics accessible, relevant, and empowering for a broad audience.

Final Remarks

For educators and students alike, understanding the scope, strengths, and limitations of Basic College Mathematics: An Applied Approach ensures its optimal utilization. Its application-oriented philosophy aligns well with contemporary educational goals?preparing students not just to pass exams but to apply mathematical reasoning effectively in everyday life and future careers.

Question What are the main topics covered in 'Basic College Mathematics: An Applied Approach' by Aufmann? The book covers fundamental topics such as algebra, functions, equations, linear systems, exponents, polynomials, radicals, and applications relevant to real-world problems. **Answer** How does Aufmann's approach integrate real-world applications into college mathematics? Aufmann emphasizes practical problem-solving by incorporating real-life scenarios and applications, helping students see the relevance of mathematical concepts beyond the classroom. Is 'Basic College Mathematics: An Applied Approach' suitable for students with no prior math background? Yes, the

book is designed for students with varied backgrounds, providing clear explanations and step-by-step instructions to build foundational skills. What learning tools are included in the Aufmann textbook to enhance understanding? The textbook includes examples, practice exercises, review sections, real-world problem sets, and online resources to reinforce learning and application. How does the book address mathematical problem-solving skills? It emphasizes a systematic approach to solving problems, including identifying the problem, setting up equations, and applying appropriate methods to find solutions. Are there online resources or supplementary materials available for this textbook? Yes, Aufmann provides online tutorials, practice quizzes, and additional exercises to support student learning and instructor teaching. What are some common challenges students face with the material in this book, and how does it help overcome them? Students often struggle with translating real-world problems into mathematical models. The book offers guided examples and step-by-step instructions to improve these skills. How does the book incorporate technology in teaching college mathematics? It includes instructions for using graphing calculators and software tools, encouraging students to explore mathematical concepts interactively. Is 'Basic College Mathematics: An Applied Approach' suitable for self-study or primarily for classroom use? The book is designed for both classroom instruction and self-study, with comprehensive explanations and exercises that allow independent learning.

Related keywords: college mathematics, applied mathematics, Aufmann, mathematics textbook, algebra, calculus, trigonometry, mathematical applications, math course, educational mathematics

applied course english

Applied course English is an essential component of modern education, designed to equip students with practical language skills that can be directly applied in real-world situations. Unlike traditional English courses that primarily focus on literature and theoretical grammar, applied course English emphasizes communication, critical thinking, and the ability to use English effectively across various contexts. Whether in academia, the workplace, or daily life, mastering applied English skills is crucial for success in a globalized world. This article explores the different aspects of applied course English, its benefits, and how learners can maximize their learning experience.

Understanding Applied Course English

Applied course English is tailored to bridge the gap between theoretical language knowledge and practical application. It focuses on developing skills that are immediately useful, such as writing professional emails, participating in discussions, delivering presentations, and understanding cultural nuances in communication.

Core Objectives of Applied Course English

- Enhance listening and speaking skills for real-world interactions
- Improve writing proficiency for professional and academic purposes
- Develop reading comprehension of practical texts
- Foster intercultural communication awareness
- Build confidence in using English in diverse settings

Key Components of Applied Course English

Applied English courses incorporate various modules and activities designed to develop comprehensive language skills. These components ensure learners are well-prepared to use English effectively in their personal and professional lives.

Practical Communication Skills

Practical communication involves more than just speaking and writing; it encompasses effective listening, non-verbal cues, and contextual understanding.

- **Conversational English:** Engaging in everyday dialogues, interviews, and negotiations
- **Public speaking and presentations:** Delivering clear, confident speeches
- **Listening comprehension:** Understanding conversations, lectures, and multimedia content

Business and Professional English

A significant part of applied course English targets workplace communication skills.

- Writing professional emails and reports
- Participating in meetings and discussions
- Understanding business terminology and etiquette
- Preparing resumes and cover letters

Academic English Skills

For students aiming to pursue higher education, academic English is vital.

- Reading academic texts and research papers

- Writing essays, research proposals, and dissertations
- Understanding academic vocabulary and structures
- Citing sources and avoiding plagiarism

Benefits of Taking an Applied Course in English

Participating in an applied course English program offers numerous advantages that can significantly impact personal growth and career development.

Enhanced Communication Abilities

Learners develop the confidence to communicate effectively across different settings, whether in professional meetings, social gatherings, or academic environments.

Career Advancement Opportunities

Proficiency in applied English skills opens doors to international job markets, improves employability, and prepares individuals for leadership roles.

Academic Success

Students with strong applied English skills find it easier to excel in coursework, research, and presentations, leading to better academic outcomes.

Cultural Competence

Understanding cultural differences in communication fosters respect and adaptability, which are highly valued in global interactions.

Personal Development

Building language skills boosts self-esteem, broadens perspectives, and encourages lifelong learning.

How to Maximize Learning in Applied Course English

To get the most out of an applied English course, learners should adopt effective strategies and practice regularly.

Active Participation

Engage fully in class activities, discussions, and group projects to enhance practical skills and confidence.

Consistent Practice

Dedicate time outside of class for reading, writing, and speaking exercises. Use language apps, join conversation clubs, or participate in online forums.

Real-World Application

Seek opportunities to use English in real-life situations, such as volunteering, internships, or travel.

Utilize Multimedia Resources

Incorporate podcasts, videos, and online courses to diversify learning and expose yourself to different accents and contexts.

Seek Feedback and Mentorship

Regular feedback from instructors or language partners helps identify areas for improvement and refine skills.

Popular Applied Course English Programs and Certifications

Various institutions offer specialized applied English courses tailored to different needs.

Academic English Programs

Designed for students preparing for university studies, these programs focus on academic writing, research skills, and comprehension.

Business English Courses

Targeted at professionals, these courses cover workplace communication, presentation skills, and business writing.

General English with Practical Focus

Suitable for learners seeking to improve overall communication skills for daily life and travel.

Certifications

Obtaining recognized certifications can validate your skills and enhance your resume, such as:

- Cambridge English: Business Certificates
- TOEFL and IELTS for Academic and Professional Purposes
- ESOL Certificates

Choosing the Right Applied Course English Program

Selecting the most suitable program depends on your goals, current proficiency level, and learning style.

Assess Your Goals

Identify whether your focus is academic, professional, or personal communication.

Evaluate Course Content

Ensure the curriculum aligns with your objectives and covers practical language skills.

Check Instructor Qualifications

Look for experienced instructors with expertise in applied linguistics and real-world teaching.

Consider Learning Format

Decide between online, in-person, or hybrid formats based on your schedule and preferences.

Conclusion

Applied course English plays a pivotal role in preparing individuals for effective communication in today's interconnected world. By focusing on practical skills such as business communication, academic writing, and everyday conversation, these courses empower learners to navigate diverse environments with confidence and competence. Whether you aim to advance your career, succeed academically, or simply become more proficient in English, engaging in an applied course can offer the tools and experience necessary to achieve your goals. Remember to stay committed, practice regularly, and utilize available resources to maximize your learning journey in applied course English.

Applied Course English: Unlocking Practical Language Skills for Real-World Success

In today's dynamic educational landscape, an applied course in English has become an essential component for students seeking to bridge the gap between theoretical language knowledge and practical communication skills. Unlike traditional English courses that focus solely on literary analysis or grammar rules, applied English courses emphasize the real-world application of language in diverse contexts—be it professional, academic, or everyday interactions. This approach prepares learners to confidently navigate the complexities of communication in a globalized world, making applied course English a vital asset for students aiming for success beyond the classroom.

What Is Applied Course English?

Applied course English is a specialized branch of language education that centers on the practical use of English in real-life situations. It integrates language skills—listening, speaking, reading, and writing—with contextual scenarios that students are likely to encounter outside of academic settings. The goal is to develop functional proficiency rather than just theoretical knowledge.

Key features of applied course English include:

- Focus on communication skills relevant to workplaces, social interactions, and academic environments.
- Emphasis on pragmatic language use, including idioms, colloquialisms, and formal/informal registers.
- Integration of multimedia resources like videos, podcasts, and real-world texts.
- Practical assessments that simulate real-life tasks, such as writing emails, giving presentations, or participating in debates.

The Importance of Applied Course English

In an increasingly interconnected world, mastery of English often serves as a gateway to global opportunities. An applied course in English provides learners with the tools to:

- Communicate effectively with diverse audiences.
- Navigate cross-cultural interactions confidently.
- Enhance employability by demonstrating practical language skills.
- Succeed in academic pursuits that require clear and precise communication.
- Engage in social settings with fluency and cultural awareness.

Furthermore, applied English courses foster critical thinking around language use, encouraging students to adapt their communication styles to various contexts, which is invaluable for personal and professional growth.

Core Components of an Applied Course in English

An effective applied English program typically encompasses several interconnected components designed to build comprehensive language competence:

- Listening and Comprehension Skills
 - Understanding spoken English in different accents and speeds.
 - Analyzing dialogues, interviews, and lectures.
 - Developing note-taking strategies for lectures or meetings.
- Speaking and Pronunciation
 - Practicing pronunciation and intonation for clarity.
 - Engaging in role-plays and simulations.
 - Participating in discussions, debates, and presentations.
- Reading for Practical Use
 - Interpreting real-world texts such as instructions, reports, and articles.
 - Developing skimming and scanning techniques.
 - Analyzing tone and intent in written communication.
- Writing for Specific Purposes
 - Crafting professional emails, proposals, and reports.
 - Creating resumes and cover letters.
 - Writing summaries, reviews, and social media content.
- Cultural and Contextual Awareness

- Understanding cultural nuances in language.
- Navigating formal and informal registers appropriately.
- Recognizing idiomatic expressions and colloquialisms.

Pedagogical Strategies in Applied Course English

Effective teaching methodologies are crucial to ensure learners gain practical competencies. Some common strategies include:

- Task-Based Learning: Focusing on completing real-world tasks such as booking travel, negotiating deals, or conducting interviews.
- Scenario-Based Activities: Simulating situations like job interviews or customer service interactions to build confidence.
- Integrative Projects: Group work that involves creating presentations, reports, or multimedia content.
- Use of Authentic Materials: Incorporating real documents, videos, and audio recordings from authentic sources.
- Feedback and Reflection: Providing constructive feedback and opportunities for self-assessment to promote continuous improvement.

Benefits of Enrolling in an Applied Course in English

Students who participate in applied English courses reap numerous advantages:

- Enhanced Communication Skills: Ability to speak and write with confidence in various settings.
- Increased Employability: Skills valued by employers across industries?such as professional email writing, presentation delivery, and intercultural communication.
- Academic Success: Better comprehension and expression in research papers, seminars, and collaborative projects.
- Cultural Competence: Greater awareness of cultural differences influencing language use, leading to more respectful and effective interactions.
- Lifelong Learning: Development of adaptable language skills that evolve with changing contexts and technological advancements.

Practical Applications of Applied Course English

Applied course English equips learners to handle a broad spectrum of real-life situations, including:

- Workplace Communication: Writing reports, participating in meetings, and delivering presentations.
- Academic Interactions: Engaging in seminars, writing essays, and understanding academic texts.
- Travel and Hospitality: Booking accommodations, navigating transportation, and engaging with locals.
- Social Networking: Participating in community events, online forums, or social media with appropriate language use.
- Personal Development: Engaging in self-expression through blogging, journaling, or public speaking.

Challenges and How to Overcome Them

While applied course English offers clear benefits, learners may face obstacles such as:

- Language Anxiety: Practice in safe environments with peer support can build confidence.
- Cultural Barriers: Exposure to diverse contexts and cultural training helps mitigate misunderstandings.
- Limited Exposure: Supplementing coursework with real-world interactions, such as volunteering or internships, enhances practical skills.
- Resource Constraints: Utilizing online platforms, mobile apps, and community resources can provide additional practice opportunities.

Choosing the Right Applied Course in English

When selecting an applied English program, consider the following:

- Curriculum Relevance: Does it cover practical skills aligned with your goals?
- Instructor Expertise: Are instructors experienced in applied linguistics and real-world teaching?
- Assessment Methods: Do they include practical tasks and real-life simulations?
- Flexibility and Accessibility: Are classes scheduled conveniently? Are online options available?
- Student Feedback: What do former students say about their experiences and outcomes?

Final Thoughts: Embracing Applied Course English for Future Success

In an interconnected world where language skills can open doors to countless opportunities, an applied course in English serves as a strategic investment in your personal and professional development. By focusing on practical communication skills, cultural awareness, and real-world application, these courses empower learners to communicate with clarity, confidence, and cultural

sensitivity.

Whether you're aiming to excel in your career, pursue further education, or simply navigate daily interactions more effectively, embracing applied English education is a step toward becoming a more competent, confident, and culturally savvy communicator. As language continues to evolve with technology and globalization, staying adaptable through applied learning ensures you remain competitive and capable in any environment.

Start exploring applied course English today and unlock your potential to communicate effectively across borders, cultures, and contexts!

Question What is the main focus of an applied course in English? An applied course in English primarily focuses on practical language skills such as communication, writing, speaking, and comprehension, often emphasizing real-world usage and professional contexts. **Who can benefit from taking an applied English course?** Students, professionals, and non-native English speakers seeking to improve their practical language skills for academic, workplace, or everyday communication can benefit from applied English courses. **How does an applied English course differ from traditional English literature courses?** Applied English courses focus on functional language skills and practical applications, whereas traditional literature courses emphasize analyzing texts, literary history, and critical theory. **Are applied English courses suitable for non-native speakers?** Yes, applied English courses are especially beneficial for non-native speakers aiming to enhance their conversational, writing, and professional communication skills. **What skills are typically developed in an applied English course?** Skills such as effective communication, academic writing, presentation, listening comprehension, and professional email etiquette are commonly developed in applied English courses. **Can taking an applied English course improve my career prospects?** Absolutely. Improved communication skills gained from an applied English course can enhance employability, facilitate workplace interactions, and open up opportunities in global and multicultural environments.

Related keywords: English language course, applied linguistics, ESL training, practical English skills, conversational English, business English course, academic English, English communication skills, professional English training, language proficiency course

Read the full article online: [APPLIED COURSE ENGLISH](#)