# Neta Fitness Professional Manual

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Association (AEA) Aquatic Exercise Association (AEA) J. Daniel Mikeska Melisenda

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fitness professional s handbook seventh edition with hkpropel access provides current and future fitness professionals with the knowledge to screen participants conduct standardized fitness tests evaluate the major components of fitness and prescribe appropriate exercise

aquatic fitness is not just for older adults or those with physical limitations water exercise is a proven fitness activity that is challenging and fun for all age groups and abilities it offers reduced impact options for group exercise small group fitness and personal training as the primary preparation resource for the certification exam of the aquatic exercise association aea aquatic fitness professional manual seventh edition is the most comprehensive resource to help you design and lead effective exercise sessions in the pool with contributions from 17 industry experts you will learn how to energize your teaching with techniques and programs based on many popular fitness formats such as kickboxing yoga body sculpting pilates walking and jogging circuits intervals and sport specific training you ll also find updated research on shallow and deep water exercise as well as new and revised content on the following specialty equipment such as bikes treadmills and gym stations intended for the aquatic environment the latest interval training techniques including hiit and tabata water safety guidelines aquatics recommendations from organizations such as the arthritis foundation and the national osteoporosis foundation nutrition and weight management guidance that reflects the 2015 2020 dietary guidelines for americans business and legal insights on compliance with insurance music licensing and the americans with disabilities act ada in addition the aquatic fitness professional

manual covers basic exercise science concepts including exercise anatomy and physiology the text reviews injuries emergencies and working with special populations for those preparing for the aea aquatic fitness professional certification exam you ll find a detailed glossary and index along with review questions at the conclusion of each chapter to help you study nowhere else will you find the fitness applications and comprehensive programming you need in one convenient resource the aquatic fitness professional manual contains essential foundational information on the components of physical fitness group fitness teaching techniques and the aea standards and guidelines expand your teaching and career opportunities by cultivating the critical skills for leading safe enjoyable and effective aquatic exercise programs

developed to prepare individuals for a career in fitness topics including exercise science e g anatomy kinesiology biomechanics exercise physiology principles of nutrition and weight management health screening and fitness assessment exercise program design communication skills behavioral change special populations and legal considerations

this is the definitive resource for individuals preparing for the aea aquatic fitness professional certification exam and for anyone leading water exercise classes

aquatic fitness professional manual is the primary preparation resource for the certification exam of the aquatic exercise association aea and is the most comprehensive guide available for designing and leading exercise sessions in the pool

with a newly restructured framework that strongly emphasizes real world application fitness professional s handbook eighth edition with hkpropel access provides current and aspiring fitness professionals the road map for working with clients the text translates key concepts into practical application by guiding the reader through screening participants conducting fitness testing evaluating the major components of fitness and prescribing appropriate exercise this

eighth edition reflects the most up to date research position stands guidelines and standards from the american college of sports medicine acsm other professional societies and government agencies new case studies reflecting a diverse array of clients offer real world applications and research insight sidebars cover a wide range of applicable scientific topics significant updates changes and additions have been made throughout including these an updated overview of assessment that provides practical understanding of preparatory steps such as obtaining informed consent taking steps to maximize client safety and explaining test results in a way that will be meaningful and relevant a new chapter on how to combine assessment results with a client's personal goals to create a comprehensive exercise program readers will learn how to develop the optimal training stimulus and to balance activity level and nutritional requirements to optimize outcomes and safety for clients expanded content on working with clients who are pregnant covering the benefits of exercise during and after pregnancy contraindications and signs that warrant stopping exercise and new content on pelvic floor training updated content on chronic diseases featuring the latest information on cardiovascular disease pulmonary disease diabetes osteoporosis and cancer additional new information includes two new muscular fitness tests a section on pharmacology that covers major drug categories and offers insights into how medications can affect heart rate blood pressure and physiological responses to exercise and coverage of neuromotor fitness the engaging full color textbook is further enhanced by 26 related online videos delivered through hkpropel facilitating a deeper understanding of techniques in the book and development of practical skills comprehensive yet practical in nature fitness professional s handbook is designed to prepare students for professional certification and empower current fitness professionals to work with various populations to improve health fitness and quality of life through appropriate screening testing and exercise prescription note a code for accessing hkpropel is not included with this ebook but may be purchased separately

fitness professional s handbook seventh edition with hkpropel access provides current and future

fitness professionals with the knowledge to screen participants conduct standardized fitness tests evaluate the major components of fitness and prescribe appropriate exercise the text uses the latest standards guidelines and research from authorities in the field to prepare readers for certification and arm them with the knowledge to work with a variety of clients and populations this full color text incorporates information from the 10th edition of acsm s guidelines for exercise testing and prescription and the physical activity guidelines for americans exercise and physical activity recommendations for adults older adults children and those with special needs the text embraces the importance of communication between allied health and medical professionals with those in the fitness arena to provide readers with a foundation for prescribing exercise and delivering need and goal specific physical activity and fitness programs every chapter has been updated allowing readers to explore the newest theories and research findings and apply them to real world situations the following are among the most significant changes to the seventh edition related online content delivered via hkpropel that includes an online video library containing 24 video clips to help readers better apply key techniques covered in the book as well as fillable forms that students can use beyond the classroom a new chapter training for performance helps professionals expand their practice to work with recreational athletes who have performance related goals new information including the consequences of exercise induced muscle damage rhabdomyolysis devices used to track physical activity and estimate energy expenditure e g accelerometers relative flexibility and the role of lumbopelvic rhythm in back function the importance of progression in an exercise prescription and the professional standard of care associated with hit programs reflects recent topics of interest and research updated statistics on cvd and chd from the american heart association adult and childhood obesity and the prevalence of copd asthma bronchitis and emphysema ensure accurate representation of data with a comprehensive and practical approach this text enables readers to help individuals communities and groups gain the benefits of regular physical activity in a positive and safe

environment it provides background to the field scientific fundamentals and up to date recommendations to help readers better understand the role of physical activity in the quality of life and guidelines for screening testing supervising and modifying activity for various populations note a code for accessing hkpropel is not included with this ebook but may be purchased separately

this is the definitive resource for individuals preparing for the aea aquatic fitness professional certification exam and for anyone leading water exercise classes

a handbook for today s fitness instructor group fitness instructors may be expected to offer participants a wide range of activities such as indoor cycling yoga and strength training as well as aerobics the contributors to this book are experts in a variety of fields including exercise physiology psychology and the law the manual offers the foundation of knowledge necessary to teach fitness in a group setting topics covered include exercise physiology fundamentals of anatomy and applied kinesiology nutrition health screening designing a group exercise programme teaching the class adherence and motivation disabilities and health limitations exercise and pregnancy injury prevention and emergency procedures and legal and professional responsibilities

fitness professional s handbook fifth edition is back with a new title an expanded scope and thoroughly updated material with three new chapters numerous ancillaries and material that reflect the current american college of sports medicine acsm guidelines this text will allow both students and professionals to stay abreast of the latest research and information in the field formerly titled health fitness instructor s handbook this full color text has undergone a title change to better reflect its extensive use in the field reflective of updates made in the seventh edition of acsm s guidelines for exercise testing and prescription it serves as an essential text for those seeking acsm health fitness instructor certification and an invaluable reference for

certified fitness professionals striving to stay informed amid ongoing research advances every chapter has been updated based on the latest standards guidelines and research allowing readers to explore the newest theories research findings and current issues in the field the following are among the most significant changes to the text a completely rewritten chapter on health appraisal that focuses on the sequence of steps to follow in screening participants updates based on the most recent dietary guidelines and current standards for nutritional intake a thorough discussion of how to develop effective exercise prescriptions for strength and endurance in a very small space a new chapter that focuses on yoga pilates and other mind body exercises additional insight from an expert providing real life experiences in both fitness and hospital based programs and details regarding budget development through this text students with little or no background in fitness testing and prescription will learn to screen participants carry out standardized fitness tests to evaluate major components of fitness and write appropriate fitness prescriptions they will also learn how to apply this information to special populations including children older adults women or those with chronic disease e g hypertension or a specific condition e g pregnancy to aid readers with comprehension the text retains the best features of previous editions such as reproducible forms useful key points interesting sidebars case study questions and answers key terms and glossary and extensive references throughout the book the text features an array of ancillaries making it easy for instructors to develop and effectively teach their course all materials are offered through a convenient product specific site and include a new instructor guide a revised test bank and a powerpoint presentation package that includes art photos and tables pulled from the text in addition the text s attention to detail regarding the most common fitness tests allows it to be seamlessly integrated into lab experiences associated with fitness assessment fitness professional s handbook fifth edition provides readers with comprehensive information on the fundamentals of fitness exercise physiology and biomechanics updates on assessing muscular fitness applying guidelines for

strength and muscular endurance training for diverse populations preventing low back pain and interpreting nutritional guidelines will allow readers to better understand the role of physical activity in the quality of life and how to follow practical guidelines for screening testing supervising and modifying activity for various populations as such it will be a useful text for students and a valuable reference for practitioners

this is the definitive resource for individuals preparing for the aea aquatic fitness professional certification exam and for anyone leading water exercise classes

clinical exercise specialist manual a fitness professional s guide to exercise and chronic disease is for health fitness and exercise professionals who want to be or are on the front line of healthcare byaiding in the management and prevention of chronic disease exercise and physical activity can positively affect over 30 chronic conditions making it the number one deterrent of chronic disease in primary and secondary prevention the succinct content combined with the easy to use tables and figures in this guidewill benefit anyone who wants to learn more about the effects of exercise on over 35 chronic conditions inside you will find concise detailed information that is useful in any fitness setting such as a fitness center personal training studio or home gym easy to use tables and figures to quickly find relevant material easy to understand protocols for frequency intensity time and type of exercise contraindications and concerns for exercise essential sample forms discussion questions to examine the practical application of the concepts

a guide to the hottest new trend in full body no impact exercise pool workouts where your feet never touch the bottomwhether you re a professional athlete or general fitness enthusiast wouldn t you prefer a workout that s kinder to your joints while also producing amazing results thanks to the higher force required to move your body against water s resistance and the absence of any impact during the exercises the workouts in this book do just that by detailing proper form and technique this handy guide makes sure you gain maximum benefit from your water workout including greater speed power strength flexibility

the comprehensive resource for personal fitness trainers

the fitness instructor s handbook 3rd edition is the essential guide for anyone working in or wishing to enter the fitness industry including an added chapter on cardiorespiratory machine exercises covering correct technique safety points and step by step photos and updated references throughout this new edition reflects the latest changes to the national occupational standards levels 2 and 3 topics covered include the skeletal system muscles and tendons the energy system circulation and respiration components of fitness safety issues customer service screening clients planning and programme design exercise evaluation packed full of illustrations case studies revision questions and sample programmes this is the ideal book for those new to the industry as well as experienced trainers

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