

PHAR1201: Introduction to Formulation Sciences

Gallaghan

Semester 1 - 2023



THE UNIVERSITY OF
NEWCASTLE
AUSTRALIA

OVERVIEW

Course Description

Provides students with an understanding of the physical pharmacy principles applied to the design, formulation and effective use of pharmaceutical dosage forms. This includes solubility and the process of dissolution, basic colligative properties and osmolarity, surface tension and interfacial phenomena, and pH and ionization. An introduction to concepts around stability/degradation and storage/preservation will also be explored.

This course is a Compulsory Program Component that students must pass in order to progress in the Bachelor of Pharmacy (Honours) program.

Requisites

This course is only available to students enrolled in the Bachelor of Pharmacy (Honours) program.

Contact Hours

Callaghan

Lecture

Online - recorded

2 hour(s) per Week for Full term

Lectorial

Face to Face On Campus

14 hour(s) per Term

1 hour per week for 12 weeks and 2 hours for 1 week (in term examination)

Practical*

Face to Face On Campus

2 hour(s) per Week for 12 Weeks

*This contact hours has a compulsory requirement

Unit Weighting

10

Workload

Students are required to spend on average 120-140 hours of effort (contact and non-contact) including assessments per 10 unit course.

CONTACTS

Course Coordinator

Callaghan

Dr Roger Liang

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(02) 4985 4959

Consultation: email for an appointment of face to face (when in office)

COURSE OUTLINE

www.newcastle.edu.au

CRICOS Provider
00109J

Span2000 Course Outline

Jin-Ying Zhang



Span2000 Course Outline:

M SPAN 2000 ,1991 **Visual and Multimedia Information Management** Xiaofang Zhou,Pearl Pu,2013-11-11

Current research in Visual Database Systems can be characterized by scalability multi modality of interaction and higher semantic levels of data Visual interfaces that allow users to interact with large databases must scale to web and distributed applications Interaction with databases must employ multiple and more diversified interaction modalities such as speech and gesture in addition to visual exploitation Finally the basic elements managed in modern databases are rapidly evolving from text images sound and video to compositions and now annotations of these media thus incorporating ever higher levels and different facets of semantics In addition to visual interfaces and multimedia databases Visual and Multimedia Information Management includes research in the following areas Speech and aural interfaces to databases Visualization of web applications and database structure Annotation and retrieval of image databases Visual querying in geographical information systems Video databases and Virtual environment and modeling of complex shapes Visual and Multimedia Information Management comprises the proceedings of the sixth International Conference on Visual Database Systems which was sponsored by the International Federation for Information Processing IFIP and held in Brisbane Australia in May 2002 This volume will be essential for researchers in the field of management of visual and multimedia information as well as for industrial practitioners concerned with building IT products for managing visual and multimedia information

Aerodynamics of Large Bridges Allan Larsen,2017-10-19 As bridges spans get longer lighter and more slender aerodynamic loads become a matter of serious study This volume of proceedings reflect the co operation between civil and mechanical engineering and meteorology in this field *Industrial Management* John R. Dunlap,1903 **Linguistic**

Relativity in SLA ZhaoHong Han,Teresa Cadierno,2010-06-18 Crosslinguistic influence is an established area of second language research and as such it has been subject to extensive scrutiny Although the field has come a long way in understanding its general character many issues still remain a conundrum for example why does transfer appear selective and why does transfer never seem to go away for certain linguistic elements Unlike most existing studies which have focused on transfer at the surface form level the present volume examines the relationship between thought and language in particular thought as shaped by first language development and use and its interaction with second language use The chapters in this collection conceptually explore and empirically investigate the relevance of Slobin s Thinking for Speaking Hypothesis to adult second language acquisition offering compelling and enlightening evidence of the fundamental nature of crosslinguistic influence in adult second language acquisition **Factory and Industrial Management** John Robertson

Dunlap,Arthur Van Vliissingen,John M. Carmody,1903 **Machinery** ,1909 **Engineering Magazine** ,1903 The

Engineering Index ,1906 Machinery Fred Herbert Colvin,Lester Gray French,1908 Machinery Lester Gray

French,1909 **The Engineering Index** John Butler Johnson,Henry Harrison Suplee,Johannes H. Cuntz,Charles Buxton

Going,1906 **Daniel in the Preterists' Den** Thomas A. Howe,2008-06-01 In recent years there has been rise in popularity and visibility of the debate about the last things Preterists and Futurists have published books articles and even movies promoting their respective views This debate has elevated the interest of the Christian public in eschatological issues Along with the increased interest in eschatology there has been a rise in popularity of the Preterist view which holds that most or all of the prophecies about Christ s coming have already been fulfilled that the second coming took place in 70 AD Most of the discussion from those who espouse the Preterist view however revolves around certain passages in the New Testament and their treatment of Old Testament passages is sporadic and selective The importance of the book of Daniel in these discussions cannot be overstated However most commentaries on Daniel from a Futurist perspective have not dealt with the Preterists interpretations of the key prophetic passages There simply is no detailed commentary on the book of Daniel that addresses the Preterist interpretations of this important book This book is a commentary on the entire book of Daniel from a Futurist perspective that specifically addresses the Preterist interpretations of the key prophetic passages This is not a book that selects passages out of the context of the book and attempts to explain their prophetic significance Rather this is a commentary on the entire book of Daniel that places these critical prophetic passages in their literary and historical context and then deals with the various interpretations of these passages as they fit into the context of the book as a whole

Mechanical World and Metal Trades Journal ,1927 **The Mechanical World** ,1927 Baseball Between the Numbers Jonah Keri,Baseball Prospectus,2007-02-27 In the numbers obsessed sport of baseball statistics don t merely record what players managers and owners have done Properly understood they can tell us how the teams we root for could employ better strategies put more effective players on the field and win more games The revolution in baseball statistics that began in the 1970s is a controversial subject that professionals and fans alike argue over without end Despite this fundamental change in the way we watch and understand the sport no one has written the book that reveals across every area of strategy and management how the best practitioners of statistical analysis in baseball people like Bill James Billy Beane and Theo Epstein think about numbers and the game Baseball Between the Numbers is that book In separate chapters covering every aspect of the game from hitting pitching and fielding to roster construction and the scouting and drafting of players the experts at Baseball Prospectus examine the subtle hidden aspects of the game bring them out into the open and show us how our favorite teams could win more games This is a book that every fan every follower of sports radio every fantasy player every coach and every player at every level can learn from and enjoy **Telephone Review** ,1918 **The Electrician** ,1863 **History of the Forth Bridge** ,1911 *Lonely Planet Barcelona* Lonely Planet,Sally Davies,Catherine Le Nevez,Isabella Noble,2018-11-01 Lonely Planet The world s number one travel guide publisher Lonely Planet s Barcelona is your passport to the most relevant up to date advice on what to see and skip and what hidden discoveries await you Savour the best of New Catalan cuisine yell for your team at Camp Nou stadium and crane your neck at the weird and wonderful

architecture of La Sagrada Familia all with your trusted travel companion Get to the heart of Barcelona and begin your journey now Inside Lonely Planet's Barcelona Colour maps and images throughout Highlights and itineraries help you tailor your trip to your personal needs and interests Insider tips to save time and money and get around like a local avoiding crowds and trouble spots Essential info at your fingertips hours of operation phone numbers websites transit tips prices Honest reviews for all budgets eating sleeping sightseeing going out shopping hidden gems that most guidebooks miss Cultural insights provide a richer more rewarding travel experience covering history people music cuisine politics Over 30 maps for easy navigation Covers La Rambla Barri Gòtic El Raval La Ribera Barceloneta La Sagrada Família Gracia Park Gòtic Camp Nou Pedralbes La Zona Urbana Poblenou Poble Sec Sant Antoni and more The Perfect Choice Lonely Planet's Barcelona is our most comprehensive guide to the city and is perfect for discovering both popular and offbeat experiences Looking for just the highlights Check out Pocket Barcelona our a handy sized guide featuring the city's best sights and experiences for a short break or weekend away Looking for more extensive coverage Check out Lonely Planet's Spain for a comprehensive look at all the country has to offer About Lonely Planet Lonely Planet is a leading travel media company and the world's number one travel guidebook brand providing both inspiring and trustworthy information for every kind of traveller since 1973 Over the past four decades we've printed over 145 million guidebooks and grown a dedicated passionate global community of travellers You'll also find our content online and in mobile apps video 14 languages nine international magazines armchair and lifestyle books ebooks and more TripAdvisor Travelers Choice Awards 2012 2013 2014 2015 and 2016 winner in Favorite Travel Guide category Lonely Planet guides are quite simply like no other New York Times Lonely Planet It's on everyone's bookshelves it's in every traveller's hands It's on mobile phones It's on the Internet It's everywhere and it's telling entire generations of people how to travel the world Fairfax Media Australia Source Nielsen BookScan Australia UK USA 5 2016 4 2017 eBook Features Best viewed on tablet devices and smartphones Downloadable PDF and offline maps prevent roaming and data charges Effortlessly navigate and jump between maps and reviews Add notes to personalise your guidebook experience Seamlessly flip between pages Bookmarks and speedy search capabilities get you to key pages in a flash Embedded links to recommendations websites Zoom in maps and images Inbuilt dictionary for quick referencing Important Notice The digital edition of this book may not contain all of the images found in the physical edition

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