

John Speller
Joanna Miłosz-Bartczak

ACADEMIC ENGLISH FOR ENGINEERS

Coursebook

Lodz University of Technology 2017

Reviewed by:
Magdalena Nowacka, Lodz University of Technology
Jane Bottomley, University of Manchester

© Copyright Lodz University of Technology 2017

LODZ UNIVERSITY OF TECHNOLOGY PRESS

90-924 Lodz, 223 Wolczanska Street

phone/42 631-20-87, 42 631 29 52,

fax 42 631-25-38

e-mail: zamowienia@info.p.lodz.pl

www.wydawnictwa.p.lodz.pl

ISBN 978-83-7283-846-9

Edition 350 copies

Printed by

Offset printing „Quick-Druk” s.c. 90-562 Lodz, 11 Łąkowa Street



Contents

Unit 1	Introductions	Page 1
	<ul style="list-style-type: none">▪ Structure presentation openings▪ Differentiate between language for presentations and writing▪ Make an effective presentation opening	
Unit 2	Titles and abstracts	Page 7
	<ul style="list-style-type: none">▪ Select keywords for abstracts▪ Write titles for scientific articles▪ Write abstracts	
Unit 3	Visuals and signposting	Page 11
	<ul style="list-style-type: none">▪ Design effective slideshows▪ Use signposting language▪ Communicate with body language	
Unit 4	Trends and data	Page 16
	<ul style="list-style-type: none">▪ Write captions and descriptions for figures and tables▪ Describe trends▪ Describe data	
Unit 5	Maths	Page 24
	<ul style="list-style-type: none">▪ Name and explain common mathematical symbols▪ Explain common mathematical operations▪ Present mathematical problems and solutions	
Unit 6	Processes	Page 29
	<ul style="list-style-type: none">▪ Describe processes▪ Draw a flowchart▪ Write a process description	

Unit 7	Methods	Page 34
	<ul style="list-style-type: none"> ▪ Describe methods ▪ Develop a research project ▪ Present a research project 	
Unit 8	Referencing	Page 39
	<ul style="list-style-type: none"> ▪ Write reference lists ▪ Use author-prominent in-text citations ▪ Use information-prominent in-text citations 	
Unit 9	Paraphrasing	Page 45
	<ul style="list-style-type: none"> ▪ Identify plagiarism ▪ Use techniques for paraphrasing ▪ Paraphrase effectively 	
Unit 10	Conclusions and feedback	Page 50
	<ul style="list-style-type: none"> ▪ Present conclusions ▪ Write a conclusion ▪ Give feedback 	
Grammar focus		
	<ul style="list-style-type: none"> ▪ Compound nouns and adjectives ▪ Past tenses ▪ Present and future forms ▪ Passives ▪ Articles 	<p>Page 56</p> <p>Page 58</p> <p>Page 60</p> <p>Page 62</p> <p>Page 63</p>
Vocabulary builder		Page 65
Bibliography		Page 74

Acknowledgements

Special thanks to Magdalena Nowacka from the Language Centre, Lodz University of Technology (TUL), for supporting the project from the outset. We are also very grateful to Jane Bottomley of the University of Manchester for her encouragement and advice.

We greatly appreciate the contributions of Anna Olek, including videos and tasks in the Maths unit, and Łukasz Januszkiewicz for help with the Processes unit. Other TUL faculty members who generously provided ideas and materials include: Joanna Berłowska, Łukasz Januszkiewicz, Dorota Kręgiel, Joanna Leszczyńska, Izabela Witońska and Michał Wasiak. Adrianna Kozłowska from TUL provided invaluable feedback on prototypes of the coursebook.

Iwona Sójkowska from TUL supported us with library resources. We would also like to thank Agnieszka Bomba from Radio Żak and Karol Kurzejamski from TUL for their help with the audio recordings.

Finally, we would like to thank IFE Academic English for Engineers 2015/16 course participants for being our 'experimental group', and past cohorts for being the inspiration for this book.