

Blended Learning Research Perspectives, Volume 3

Edited by Anthony G. Picciano,
Charles D. Dziuban, Charles R. Graham
and Patsy D. Moskal



สำนักหอสมุด มหาวิทยาลัยเชียงใหม่

616578831
012533087
i2255564X

BLENDED LEARNING

Research Perspectives, Volume 3



*Edited by Anthony G. Picciano,
Charles D. Dziuban, Charles R. Graham,
and Patsy D. Moskal*

2008 11 16 10:00

CONTENTS

<i>About the Editors</i>	<i>xv</i>
<i>List of Contributors</i>	<i>xix</i>
<i>Preface</i>	<i>xxii</i>
<i>Acknowledgements</i>	<i>xxiv</i>

SECTION I

Introduction and Foundations **1**

- | | | |
|---|--|----|
| 1 | Introduction | 3 |
| | <i>Patsy D. Moskal and Anthony G. Picciano</i> | |
| 2 | Exploring Definitions, Models, Frameworks, and Theory
for Blended Learning Research | 10 |
| | <i>Charles R. Graham</i> | |

SECTION II

Student Outcomes **31**

- | | | |
|---|--|----|
| 3 | Neotraditional Students and Online Discussions: What
Do They Really Want? | 33 |
| | <i>Jeff Renfrow</i> | |

- 4 Blended Delivery Modes and Student Success: An In-Depth Exploration of How Different Levels of Online and Blended Course Taking Relate to Student Retention 49
Scott James and Karen Swan

- 5 Scaling Course Design as a Learning Analytics Variable 73
John Fritz, Thomas Penniston, Mike Sharkey, and John Whitmer

SECTION III

Faculty Issues 95

- 6 Highly Effective Blended Teaching Practices 97
Cub Kahn and Lynne L. Hindman

- 7 Blended Faculty Community of Inquiry Transforms Online Teaching Perceptions and Practices 116
Karen Skibba and Maria Widmer

- 8 Impact Analysis of Ten Years of Blended Learning 131
Conception B. Godev and Jaesoon An

SECTION IV

Adaptive Learning Research 145

- 9 Efficacy of Adaptive Learning in Blended Courses 147
Jeremy Anderson, Heather Bushey, Maura Devlin, and Amanda Gould

- 10 Adaptive and Active: The Integration of Adaptive Courseware Through the Lens of Blended Learning 163
Janelle D. Voegele and Raiza Dottin

- 11 A Blended Learning Case Study: Geo Exploration, Adaptive Learning, and Visual Knowledge Acquisition 178
Mark Jack Smith

SECTION V

K–12 Perspectives **191**

- 12 Competencies and Practices for Guiding K–12 Blended Teacher Readiness 193
Cecil R. Short, Courtney Hanny, Michelle Jensen, Karen Arnesen, and Charles R. Graham
- 13 Examining Peer-to-Peer Supports in K–12 Blended Academic Communities of Engagement 214
Jered Borup, Shea Walters, and Rebecca Stimson
- 14 Intellectual Agency of Linguistically Diverse Students With Disabilities in a Blended Learning Environment 231
Mary Frances Rice and Mark Stevens
- 15 Multimodal Blended Learning and English Language Learners 247
Mark Stevens

SECTION VI

International Perspectives **267**

- 16 Negotiating the Blend 269
George R. Bradford and Anders Norberg
- 17 Blended Learning and Shared Metacognition: What Is the Connection? 282
Norman D. Vaughan
- 18 Evidence-Based Blended Learning Design: A Synthesis of Findings From Four Studies 300
Ron Owston, Taru Malhotra, Dennis York, and Jirarat Sitthiworachart

SECTION VII

Science and Health Research **313**

- 19 Blending Geoscience Laboratory Learning and Undergraduate Research With Interactive Open Educational Resources 315

20	Student Experiences Learning Psychomotor Skills in a Blended Doctor of Physical Therapy Program <i>Timothy Miller and Swapna Kumar</i>	333
21	Integrative Blended Learning: Theory, Disciplines, Application, Critical Thinking, and Assessment <i>Paige L. McDonald, Karen S. Schlumpf, Gregory C. Weaver, and Mary Corcoran</i>	349
	The Future	363
22	Education and Blended Learning: Some Possible Futures <i>Charles D. Dziuban and Anthony G. Picciano</i>	365
	<i>Index</i>	403