Private University of Tacna (UPT)
Faculty of Architecture and Urban Planning
School of Architecture

Book of Bibliography by course

– 2027-I–

Lima: November 6, 2026

Equipo de Trabajo

Contents

1 First Semester **1**
1.1 AR1B1. Introduction to BIM . . . 1
1.2 AR1D1. Design Studio I . . . 1
1.3 AR1R1. Geometry and Analog Drawing . . . 1
1.4 MA100. Basic Mathematics . . . 2
1.5 MA111. Calculus I . . . 2
1.6 EG163. Communication I . . . 2
1.7 EG164. Digital Competencies Development . . . 3
1.8 EG165. Strategies for Autonomous Learning . . . 3
1.9 EG166. Basic Mathematics . . . 3

2 Second Semester **5**
2.1 AR1B2. Parametric Modeling and Generative Design . . . 5
2.2 AR1D2. Design Studio II . . . 5
2.3 AR2R1. Digital Drafting . . . 5
2.4 ID101. Technical and professional English I . . . 6
2.5 EG263. Communication II . . . 6
2.6 EG264. Philosophy . . . 6
2.7 EG265. Peruvian Territory. National Defense and Security . . . 7

3 Third Semester **9**
3.1 AR1D3. Design Studio III . . . 9
3.2 AR2B1. Multidisciplinary Coordination . . . 9
3.3 AR3R1. 3D Modeling and Virtual Animation . . . 9
3.4 ID102. Technical and professional English II . . . 10
3.5 EG364. Ethics . . . 10
3.6 EG366. Personal Development and Leadership . . . 10

4 Fourth Semester **11**
4.1 AR1T1. Digital Topography . . . 11
4.2 AR2B2. BIM Execution Planning . . . 11
4.3 AR2D1. Design Studio IV . . . 11
4.4 ID201. Technical and professional English III . . . 12
4.5 EG363. Ecology and Sustainable Development . . . 12
4.6 EG365. Peru's Problems and Challenges in a Global World . . . 12

5 Fifth Semester **15**

5.1 AR2B3. BIM Scheduling and Cost 15

5.2 AR2D2. Design Studio V 15

5.3 ID202. Technical and professional English IV 15

6 Sixth Semester **17**

6.1 AR2D3. Design Studio VI 17

6.2 AR3B1. Structural and MEP Coordination 17

6.3 ID203. Technical and professional English V 17

7 Seventh Semester **19**

7.1 AR3B2. Sustainability and Circular Economy 19

7.2 AR3D1. Design Studio VII 19

7.3 AR400. Scientific Research Methodology 19

8 Eighth Semester **21**

8.1 AR3B3. Facilities Management 21

8.2 AR3D2. Design Studio VIII 21

8.3 AR401. Statistics and Research Instruments 21

9 Ninth Semester **23**

9.1 AR3B4. Heritage and Infrastructure 23

9.2 AR3D3. Design Studio IX 23

9.3 AR402. Research Workshop 23

10 Tenth Semester **25**

10.1 AR3D4. Design Studio X 25

10.2 AR403. Research Work 25

10.3 AR404. Innovation and Entrepreneurship 25

10.4 AR4B1. AI-Assisted Automation 26

Chapter 1

First Semester

1.1 AR1B1. Introduction to BIM

[Eastman et al., 2011] Eastman, C., Teicholz, P., Sacks, R., and Liston, K. (2011). *BIM Handbook: A Guide to Building Information Modeling for Owners, Managers, Designers, Engineers, and Contractors*. Wiley, 2nd edition.

[Hardin and McCool, 2015] Hardin, B. and McCool, D. (2015). *BIM and Construction Management: Proven Tools, Methods, and Workflows*. Wiley, 2nd edition.

[Krygiel and Demchak, 2015] Krygiel, E. and Demchak, G. (2015). *Mastering Autodesk Revit Architecture 2016*. Sybex, 1st edition.

[Stine, 2021] Stine, D. J. (2021). *Autodesk Revit 2022 for Architecture*. SDC Publications, 1st edition.

1.2 AR1D1. Design Studio I

[Ching, 2014] Ching, F. D. K. (2014). *Architectural Graphics*. Wiley, 6th edition.

[Ching, 2015] Ching, F. D. K. (2015). *Architecture: Form, Space, and Order*. Wiley, 4th edition.

[Lawson, 2005] Lawson, B. (2005). *How Designers Think: The Design Process Demystified*. Architectural Press, 4th edition.

[Unwin, 2014] Unwin, S. (2014). *Analysing Architecture*. Routledge, 4th edition.

1.3 AR1R1. Geometry and Analog Drawing

[Ching, 2015] Ching, F. D. K. (2015). *Architectural Graphics*. Wiley, 6th edition.

[Earle, 1996] Earle, J. H. (1996). *Engineering Design Graphics*. Addison-Wesley, 8th edition.

[Wellman, 2020] Wellman, B. L. (2020). *Technical Drawing 101 with AutoCAD*. Pearson, 5th edition.

1.4 MA100. Basic Mathematics

[Gentile, 1984] Gentile, E. (1984). *Notas de álgebra*. Editorial Universitaria de Buenos Aires.

[Gentile, 1985] Gentile, E. (1985). *Aritmética Elemental*. Colección de Monografías Científicas Ser.

[Lipschutz, 1991] Lipschutz, S. (1991). *Teoría de conjuntos y temas afines*. McGraw-Hill.

[Peterson, 2005] Peterson, J. (2005). *Matemática básica*. Prentice-Hall.

[Rojo, 1995] Rojo, A. (1995). *Álgebra I*. El Ateneo.

[Álvaro Pinzón, 1973] Álvaro Pinzón (1973). *Conjuntos y estructuras*. Blaisdell Publishing Company.

1.5 MA111. Calculus I

[Larson and Edwards, 2018] Larson, R. and Edwards, B. H. (2018). *Cálculo*. Cengage Learning, 10th edition.

[Stewart, 2016] Stewart, J. (2016). *Cálculo de una variable: Trascendentes tempranas*. Cengage Learning, 8th edition.

[Thomas et al., 2014] Thomas, G. B., Weir, M. D., and Hass, J. (2014). *Cálculo de una variable*. Pearson, 13th edition.

1.6 EG163. Communication I

[ADUNI, 2003] ADUNI (2003). *Propedéutica de Razonamiento Verbal*. Lumbreras Editores.

[Española, 2012] Española, R. A. (2012). *Ortografía de la Lengua Española*. Editorial Planeta Colombiana S.A., 2nd edition.

[Faccini, 2018] Faccini, D. (2018). *Oratoria Siglo XXI: Técnicas para Vencer el Miedo a Hablar en Público y ser un Orador Exitoso*. Ugerman Editor.

[Fonseca et al., 2011] Fonseca, Y., Correa, A., Pineda, M., and Lemus, F. J. (2011). *Comunicación Oral y Escrita*. Pearson Educación, 1st edition.

[García, 2023] García, S. G. (2023). *Expresión y Exposición Oral y Escrita 1*. Grupo Editorial Éxodo, 1st edition.

[Godoy, 2012] Godoy, M. (2012). *Cómo Mejorar la Redacción y Algo Más*. Valletta Ediciones.

1.7 EG164. Digital Competencies Development

[Aznar, 2014] Aznar, I. (2014). Gestión de la información digital.

[Castillo, 2018] Castillo, E. (2018). Ética informática y derechos digitales.

[González, 2017] González, S. (2017). Ciberseguridad y protección de datos.

[Herrera, 2018] Herrera, M. (2018). Comunicación digital y redes profesionales.

[Jiménez, 2019] Jiménez, C. (2019). Trabajo colaborativo y productividad digital.

[Paredes, 2017] Paredes, F. (2017). Hojas de cálculo aplicadas a la arquitectura.

1.8 EG165. Strategies for Autonomous Learning

[Ander-Egg, 2017] Ander-Egg, E. (2017). *Cómo Elaborar Monografías, Artículos Científicos y Otros Textos Expositivos*. Homo Sapiens Ediciones.

[Carrasco, 2004] Carrasco, J. B. (2004). *Estrategias de Aprendizaje. Para Aprender Más y Mejor*. Ediciones Rialp.

[Day, 2005] Day, R. A. (2005). *Cómo Escribir y Publicar Trabajos Científicos*. Organización Panamericana de la Salud, 3rd edition.

[de Ridder-Symoens, 1994] de Ridder-Symoens, H. (1994). *Las Universidades en la Edad Media*. Servicio Editorial, Universidad del País Vasco.

[Educación, 2014] Educación, M. (2014). Ley universitaria (ley 30220).

[Reyes, 2017] Reyes, D. A. (2017). El mapa mental: Una estrategia cognitiva de aprendizaje.

1.9 EG166. Basic Mathematics

[B.,] B., E. A. *Análisis Matemático 1*.

[Baldeón, 2007] Baldeón, A. V. (2007). *Análisis Matemático I*.

[Ballester,] Ballester, J. A. *Geometría para la Arquitectura*.

[Leithold,] Leithold, L. *El Cálculo con Geometría Analítica*.

[Lumbreras,] Lumbreras, C. *Matemáticas Básicas: Lógica, Conjuntos*. Editorial Lumbreras.

[Máltsev,] Máltsev, A. I. *Fundamentos de Álgebra Lineal*.

Chapter 2

Second Semester

2.1 AR1B2. Parametric Modeling and Generative Design

[Kolarevic, 2003] Kolarevic, B. (2003). *Architecture in the Digital Age: Design and Manufacturing*. Spon Press, 1st edition.

[Krygiel et al., 2023] Krygiel, E., Read, P., and Vandezande, J. (2023). *Mastering Autodesk Revit 2024*. Sybex, 1st edition.

[Menges and Ahlquist, 2011] Menges, A. and Ahlquist, S. (2011). *Computational Design Thinking*. Wiley, 1st edition.

[Woodbury, 2010] Woodbury, R. (2010). *Elements of Parametric Design*. Routledge, 1st edition.

2.2 AR1D2. Design Studio II

[Brown and DeKay, 2001] Brown, G. Z. and DeKay, M. (2001). *Sun, Wind, and Light: Architectural Design Strategies*. Wiley, 2nd edition.

[Ching, 2014] Ching, F. D. K. (2014). *Architectural Graphics*. Wiley, 6th edition.

[Friedman, 2013] Friedman, A. (2013). *Fundamentals of Residential Construction*. Wiley, 3rd edition.

[Lawson, 2005] Lawson, B. (2005). *How Designers Think: The Design Process Demystified*. Architectural Press, 4th edition.

[Neufert and Neufert, 2012] Neufert, E. and Neufert, P. (2012). *Architects' Data*. Wiley-Blackwell, 4th edition.

2.3 AR2R1. Digital Drafting

[Davidson, 2015] Davidson, S. (2015). *Grasshopper: Visual Scripting for Rhinoceros 3D*. self-published / McNeel, 1st edition.

[del Campo and Manninger, 2022] del Campo, M. and Manninger, S. (2022). *Neural Architecture: Design and Artificial Intelligence*. ORO Editions, 1st edition.

[Omura, 2022] Omura, G. (2022). *Mastering AutoCAD Civil 3D*. Sybex, 1st edition.

2.4 ID101. Technical and professional English I

[Cambridge, 2006] Cambridge (2006). *Diccionario Inglés-Espanol Cambridge*. Editorial Oxford.

[MacGrew, 1999] MacGrew, J. (1999). *Focus on Grammar Basic*. Editorial Oxford.

[Soars and John, 2002d] Soars, L. and John (2002d). *American Headway N 2 Student Book*. Editorial Oxford.

2.5 EG263. Communication II

[Aguirre et al., 2014] Aguirre, M., Maldonado, C., Peña, C., and Rider, C. (2014). *Cómo Leer y Escribir en la Universidad: Cuaderno de Trabajo*. Editorial UPC.

[American Psychological Association, 2019] American Psychological Association (2019). *Manual de Estilo de Publicaciones de la APA*. Editorial El Manual Moderno.

[Bernal, 2007] Bernal, L. (2007). *Manual de Lectura y Redacción*. Editorial Politécnico Grancolombiano, 2nd edition.

[Maldonado, 2022] Maldonado, F. X. J. (2022). *Búsquedas Efectivas y Aplicación de Normas APA*. Editorial Exced, 7th edition.

[Núñez, 2016] Núñez, J. (2016). *Escritura Académica: De la Teoría a la Práctica*. Ediciones Pirámide.

2.6 EG264. Philosophy

[Castro, 2013] Castro, A. (2013). *La Filosofía Entre Nosotros: Cinco Siglos de Filosofía en el Perú*. Fondo Editorial de la Pontificia Universidad Católica del Perú.

[Delgado, 2021] Delgado, W. B. (2021). *¿Qué es Filosofía?* Programa Editorial Universidad del Valle.

[Lago, 2023] Lago, M. B. (2023). *Cinco Estudios de Filosofía Contemporánea*. J.M. Bosch Editor, 1st edition.

[Mendoza, 2012] Mendoza, D. L. C. (2012). *Filosofía Moderna: Los Principales Autores de Esta Época*. El Cid Editor.

[Pastor, 2010] Pastor, W. F. (2010). *Filosofía Antigua*. Firmas Press.

[Santacruz, 2005] Santacruz, V. S. (2005). *De Descartes a Kant: Historia de la Filosofía Moderna*. EUNSA, 3rd edition.

2.7 EG265. Peruvian Territory. National Defense and Security

[Mil,] Día de la defensa nacional. Marina de Guerra del Perú, Mil.pe.

[Gob,] Sistema de defensa nacional. Gob.pe.

[Arroyo, 2013] Arroyo, C. L. (2013). *Constitución Política del Perú 1993: Sumillas, Reformas Constitucionales, Índice Analítico*. Fondo Editorial de la Pontificia Universidad Católica del Perú, 8th edition.

[Asociación Fondo de Investigadores y Editores, 2017] Asociación Fondo de Investigadores y Editores (2017). *Geografía Sociedad y Naturaleza*. Asociación Fondo de Investigadores y Editores, 1st edition.

[Quiroz, 2019] Quiroz, A. W. (2019). *Historia de la Corrupción en el Perú*. IEP Ediciones, 3rd edition.

[Santiago, 2023] Santiago, A. (2023). *La Dignidad de la Persona Humana: Fundamento del Orden Jurídico Nacional e Internacional*. Editorial Ábaco, 2nd edition.

Chapter 3

Third Semester

3.1 AR1D3. Design Studio III

[Fainstein, 2010] Fainstein, S. S. (2010). *The Just City*. Cornell University Press.

[Kropf, 2017] Kropf, K. (2017). *The Handbook of Urban Morphology*. Wiley.

[Neufert and Neufert, 2012] Neufert, E. and Neufert, P. (2012). *Architects' Data*. Wiley-Blackwell, 4th edition.

[Schierle, 2012] Schierle, G. G. (2012). *Architectural Structures*. University of Southern California.

[Schneider and Till, 2007] Schneider, T. and Till, J. (2007). *Flexible Housing*. Architectural Press.

3.2 AR2B1. Multidisciplinary Coordination

[Hardin and McCool, 2015] Hardin, B. and McCool, D. (2015). *BIM and Construction Management: Proven Tools, Methods, and Workflows*. Wiley, 2nd edition.

[Sacks et al., 2018] Sacks, R., Eastman, C., Lee, G., and Teicholz, P. (2018). *BIM Handbook: A Guide to Building Information Modeling for Owners, Designers, Engineers, Contractors, and Facility Managers*. Wiley, 3rd edition.

3.3 AR3R1. 3D Modeling and Virtual Animation

[Akenine-Möller et al., 2018] Akenine-Möller, T., Haines, E., and Hoffman, N. (2018). *Real-Time Rendering*. CRC Press, 4th edition.

[Brightman, 2020] Brightman, M. (2020). *The SketchUp Workflow for Architecture*. Wiley, 2nd edition.

[Duarte, 2008] Duarte, N. (2008). *Slide:ology – The Art and Science of Creating Great Presentations*. O'Reilly Media, 1st edition.

[Milovanovic, 2023] Milovanovic, J. (2023). *Unreal Engine for Architectural Visualization*. Packt Publishing, 1st edition.

3.4 ID102. Technical and professional English II

[Cambridge, 2006] Cambridge (2006). *Diccionario Inglés-Espanol Cambridge*. Editorial Oxford.

[MacGrew, 1999] MacGrew, J. (1999). *Focus on Grammar Basic*. Editorial Oxford.

[Soars and John, 2002] Soars, L. and John (2002). *American Headway N 1 Student Book*. Editorial Oxford.

3.5 EG364. Ethics

[Colegio de Arquitectos del Perú,] Colegio de Arquitectos del Perú. Código de Ética del colegio de arquitectos del perú.
urlhttp://www.colegioarquitectos.gob.pe/codigo-etica.

[García, 2018] García, M. (2018). Ética y responsabilidad ambiental en la arquitectura. Green Building Journal.

[López, 2019] López, R. (2019). La responsabilidad social del arquitecto.

[Martínez, 2016] Martínez, J. (2016). Dilemas Éticos en la construcción.

[Pérez and Castillo, 2017] Pérez, A. and Castillo, D. (2017). La Ética en el urbanismo: Un enfoque desde el derecho y la arquitectura.

[Santos and Pérez, 2017] Santos, M. and Pérez, L. (2017). Ética, arquitectura y sostenibilidad: Desafíos contemporáneos. Revista de Arquitectura.

3.6 EG366. Personal Development and Leadership

[Ley,] Ley general de la persona con discapacidad y su reglamento. Gob.pe.

[Basili, 1996] Basili, F. (1996). *La Construcción de la Identidad*. Asociación Germinal.

[Encinas, 1997] Encinas, S. (1997). Conociéndonos: Reflexiones sobre autoestima.

[Encinas, 2001] Encinas, S. (2001). ¡muévete!: Desarrollo de habilidades y actitudes de liderazgo juvenil.

[Goleman, 1997] Goleman, D. (1997). *Inteligencia Emocional*. Kairós.

[Riso, 1997] Riso, W. (1997). *Sabiduría Emocional*. Editorial Norma.

Chapter 4

Fourth Semester

4.1 AR1T1. Digital Topography

[Campbell and Wynne, 2021] Campbell, J. B. and Wynne, R. H. (2021). *Introduction to Remote Sensing*. The Guilford Press, 6th edition.

[Ghilani and Wolf, 2020] Ghilani, C. D. and Wolf, P. R. (2020). *Elementary Surveying: An Introduction to Geomatics*. Pearson, 15th edition.

[Longley et al., 2015] Longley, P. A., Goodchild, M. F., Maguire, D. J., and Rhind, D. W. (2015). *Geographic Information Science and Systems*. Wiley, 4th edition.

4.2 AR2B2. BIM Execution Planning

[Computer Integrated Construction Research Program, 2011] Computer Integrated Construction Research Program (2011). Bim project execution planning guide. Version 2.1, Pennsylvania State University.

[Fischer et al., 2017] Fischer, M., Ashcraft, H. W., Reed, D., and Khanzode, A. (2017). *Integrating Project Delivery*. Wiley, 1st edition.

[Kensek and Noble, 2014] Kensek, K. M. and Noble, D. E., editors (2014). *Building Information Modeling: BIM in Current and Future Practice*. Wiley, 1st edition.

[Stine, 2023] Stine, D. J. (2023). *Autodesk Revit 2024 for Architecture*. SDC Publications, 1st edition.

4.3 AR2D1. Design Studio IV

[Allen and Iano, 2019] Allen, E. and Iano, J. (2019). *Fundamentals of Building Construction: Materials and Methods*. Wiley, 7th edition.

[Brown and DeKay, 2001] Brown, G. Z. and DeKay, M. (2001). *Sun, Wind, and Light: Architectural Design Strategies*. Wiley, 2nd edition.

[Ching and Winkel, 2017] Ching, F. D. K. and Winkel, S. R. (2017). *Building Codes Illustrated: A Guide to Understanding the International Building Code*. Wiley, 6th edition.

[Onouye and Kane, 2017] Onouye, B. and Kane, K. (2017). *Statics and Strength of Materials for Architecture and Building Construction*. Pearson, 5th edition.

[Schierle, 2012] Schierle, G. G. (2012). *Architectural Structures*. University of Southern California.

4.4 ID201. Technical and professional English III

[Cambridge, 2006] Cambridge (2006). *Diccionario Inglés-Espanol Cambridge*. Editorial Oxford.

[MacGrew, 1999] MacGrew, J. (1999). *Focus on Grammar Basic*. Editorial Oxford.

[Soars and John, 2002d] Soars, L. and John (2002d). *American Headway N 2 Student Book*. Editorial Oxford.

4.5 EG363. Ecology and Sustainable Development

[Begon and Townsend, 2021] Begon, M. E. and Townsend, C. R. (2021). *Ecology: From Individuals to Ecosystems*. Wiley-Blackwell, 5th edition.

[Garrido, 2013] Garrido, L. D. (2013). *Arquitectura para la Felicidad: Ecológica, Sostenible, Bioclimática*. Instituto Monsa de Ediciones.

[Intergovernmental Panel on Climate Change, 2023] Intergovernmental Panel on Climate Change (2023). Climate change 2023: Synthesis report. Technical report, IPCC.

[Malacalza, 2013] Malacalza, L. (2013). *Ecología y Ambiente*. Asociación de Universidades Grupo Montevideo & Universidad Nacional de La Plata.

[Ministerio del Ambiente, 2024] Ministerio del Ambiente (2024). Política nacional: Estrategia nacional ante el cambio climático al 2050. Technical report, Ministerio del Ambiente.

[Naciones Unidas, 2015] Naciones Unidas (2015). Transformar nuestro mundo: La agenda 2030 para el desarrollo sostenible. Technical report, Naciones Unidas.

4.6 EG365. Peru's Problems and Challenges in a Global World

[Durand, 2018] Durand, F. (2018). *Odebrecht, la Empresa que Capturaba Gobiernos*. Fondo Editorial PUCP.

[et al., 2021] et al., A. H. (2021). *Realidad Peruana*. Editorial Summa.

[Krugman et al., 2012] Krugman, P., Obstfeld, M., and Melitz, M. (2012). *Economía Internacional*. Editorial Pearson, 9th edition.

[Parodi, 2022] Parodi, C. (2022). *Economía Política y Sociedad*. Editorial Universidad del Pacífico.

[Ríos, 2010] Ríos, J. (2010). Globalización y sociedad peruana. In *Realidad, Nacional. Sociedad, Estado y Cultura en el Perú Contemporáneo*. Editorial Universidad Ricardo Palma.

[y León, 2012] y León, C. A. (2012). *El Perú Nuestro de Cada Día. Nueve Ensayos para Discutir y Decidir*. Editorial Universidad del Pacífico, 2nd edition.

Chapter 5

Fifth Semester

5.1 AR2B3. BIM Scheduling and Cost

[Eastman et al., 2018] Eastman, C., Teicholz, P., Sacks, R., and Liston, K. (2018). *BIM Handbook: A Guide to Building Information Modeling for Owners, Managers, Designers, Engineers, and Contractors*. Wiley, 3rd edition.

[Hardin and McCool, 2015] Hardin, B. and McCool, D. (2015). *BIM and Construction Management: Proven Tools, Methods, and Workflows*. Sybex, 2nd edition.

[Issa et al., 2003] Issa, R. R. A., Flood, I., and O'Brien, W. J., editors (2003). *4D CAD and Visualization in Construction: Developments and Applications*. A.A. Balkema Publishers, 1st edition.

[Tzortzopoulos et al., 2020] Tzortzopoulos, P., Kagioglou, M., and Koskela, L., editors (2020). *Lean Construction: Core Concepts and New Frontiers*. Routledge, 1st edition.

5.2 AR2D2. Design Studio V

[Allen and Iano, 2019] Allen, E. and Iano, J. (2019). *Fundamentals of Building Construction: Materials and Methods*. Wiley, 7th edition.

[Lechner, 2014] Lechner, N. (2014). *Heating, Cooling, Lighting: Sustainable Design Methods for Architects*. Wiley, 4th edition.

[Mehta et al., 1999] Mehta, M., Johnson, J., and Rocafort, J. (1999). *Architectural Acoustics: Principles and Design*. Prentice Hall.

[Schierle, 2012] Schierle, G. G. (2012). *Architectural Structures*. University of Southern California.

5.3 ID202. Technical and professional English IV

[Cambridge, 2006] Cambridge (2006). *Diccionario Inglés-Espanol Cambridge*. Editorial Oxford.

[MacGrew, 1999] MacGrew, J. (1999). *Focus on Grammar Basic*. Editorial Oxford.

[Soars and John, 2002d] Soars, L. and John (2002d). *American Headway N 2 Student Book*. Editorial Oxford.

Chapter 6

Sixth Semester

6.1 AR2D3. Design Studio VI

[Allen and Iano, 2019] Allen, E. and Iano, J. (2019). *Fundamentals of Building Construction: Materials and Methods*. Wiley, 7th edition.

[Hendrickson, 1998] Hendrickson, C. (1998). *Project Management for Construction: Fundamental Concepts for Owners, Engineers, Architects and Builders*. Prentice Hall, 2nd edition.

[Miles et al., 2007] Miles, M. E., Berens, G., and Weiss, M. A. (2007). *Real Estate Development: Principles and Process*. Urban Land Institute, 4th edition.

[Schierle, 2012] Schierle, G. G. (2012). *Architectural Structures*. University of Southern California.

6.2 AR3B1. Structural and MEP Coordination

[Kensek, 2014] Kensek, K. M. (2014). *Building Information Modeling*. Routledge, 1st edition.

[Kolarevic, 2003] Kolarevic, B. (2003). *Architecture in the Digital Age: Design and Manufacturing*. Spon Press, 1st edition.

[Sacks et al., 2018] Sacks, R., Eastman, C., Lee, G., and Teicholz, P. (2018). *BIM Handbook: A Guide to Building Information Modeling for Owners, Designers, Engineers, Contractors, and Facility Managers*. Wiley, 3rd edition.

[Wing, 2012] Wing, E. (2012). *Autodesk Revit MEP: No Experience Required*. Sybex, 1st edition.

6.3 ID203. Technical and professional English V

[Cambridge, 2006] Cambridge (2006). *Diccionario Inglés-Espanol Cambridge*. Editorial Oxford.

[MacGrew, 1999] MacGrew, J. (1999). *Focus on Grammar Basic*. Editorial Oxford.

[Soars and John, 2002g] Soars, L. and John (2002g). *American Headway N 3 Student Book*. Editorial Oxford.

[Soars and John, 2002h] Soars, L. and John (2002h). *American Headway N 3 Teachers Book*. Editorial Oxford.

[Soars and John, 2002i] Soars, L. and John (2002i). *American Headway N 3 Work Book*. Editorial Oxford.

Chapter 7

Seventh Semester

7.1 AR3B2. Sustainability and Circular Economy

[Addis, 2006] Addis, B. (2006). *Building with Reclaimed Components and Materials: A Design Handbook for Reuse and Recycling*. Earthscan, 1st edition.

[de Wilde, 2018] de Wilde, P. (2018). *Building Performance Analysis*. Wiley, 1st edition.

[Krygiel and Nies, 2008] Krygiel, E. and Nies, B. (2008). *Green BIM: Successful Sustainable Design with Building Information Modeling*. Sybex, 1st edition.

[U.S. Green Building Council, 2013] U.S. Green Building Council (2013). *LEED v4 Reference Guide for Building Design and Construction*. USGBC, 1st edition.

7.2 AR3D1. Design Studio VII

[Booth, 1983] Booth, N. K. (1983). *Basic Elements of Landscape Architectural Design*. Waveland Press.

[Gehl, 2010] Gehl, J. (2010). *Cities for People*. Island Press.

[Jacobs, 1961] Jacobs, J. (1961). *The Death and Life of Great American Cities*. Random House.

[Kropf, 2017] Kropf, K. (2017). *The Handbook of Urban Morphology*. Wiley.

[Lynch, 1960] Lynch, K. (1960). *The Image of the City*. MIT Press.

7.3 AR400. Scientific Research Methodology

[Charmaz, 2014] Charmaz, K. (2014). *Constructing Grounded Theory*. SAGE Publications, 2nd edition.

[Creswell and Creswell, 2018] Creswell, J. W. and Creswell, J. D. (2018). *Research Design: Qualitative, Quantitative, and Mixed Methods Approaches*. SAGE Publications, 5th edition.

[Creswell and Poth, 2018] Creswell, J. W. and Poth, C. N. (2018). *Qualitative Inquiry and Research Design: Choosing Among Five Approaches*. SAGE Publications, 4th edition.

[Groat and Wang, 2013] Groat, L. N. and Wang, D. (2013). *Architectural Research Methods*. Wiley, 2nd edition.

[Salkind, 2017] Salkind, N. J. (2017). *Statistics for People Who (Think They) Hate Statistics*. SAGE Publications, 6th edition.

Chapter 8

Eighth Semester

8.1 AR3B3. Facilities Management

[Grieves, 2011] Grieves, M. (2011). *Virtually Perfect: Driving Innovative and Lean Products through Product Lifecycle Management*. Space Coast Press, 1st edition.

[Kensek, 2014] Kensek, K. M. (2014). *Building Information Modeling*. Routledge, 1st edition.

[Krygiel and Read, 2024] Krygiel, E. and Read, P. (2024). *Mastering Autodesk Revit 2024*. Sybex, 1st edition.

[Teicholz, 2013] Teicholz, P. (2013). *BIM for Facility Managers*. Wiley / IFMA, 1st edition.

8.2 AR3D2. Design Studio VIII

[Ellen MacArthur Foundation, 2019] Ellen MacArthur Foundation (2019). Circular economy in the built environment. Ellen MacArthur Foundation Report.

[Feilden, 2003] Feilden, B. M. (2003). *Conservation of Historic Buildings*. Architectural Press, 3rd edition.

[Stubbs, 2009] Stubbs, J. H. (2009). *Time Honored: A Global View of Architectural Conservation*. Wiley.

8.3 AR401. Statistics and Research Instruments

[Moore et al., 2017] Moore, D. S., McCabe, G. P., and Craig, B. A. (2017). *Introduction to the Practice of Statistics*. W. H. Freeman, 9th edition.

[Salkind, 2017] Salkind, N. J. (2017). *Statistics for People Who (Think They) Hate Statistics*. SAGE Publications, 6th edition.

Chapter 9

Ninth Semester

9.1 AR3B4. Heritage and Infrastructure

[Costin et al., 2018] Costin, A., Adibfar, A., Hu, H., and Chen, S. S. (2018). Building information modeling (bim) for transportation infrastructure – literature review, applications, challenges, and recommendations. *Automation in Construction*, 94:257–281.

[Luhmann et al., 2019] Luhmann, T., Robson, S., Kyle, S., and Boehm, J. (2019). *Close-Range Photogrammetry and 3D Imaging*. De Gruyter, 3rd edition.

[Murphy et al., 2009] Murphy, M., McGovern, E., and Pavia, S. (2009). Historic building information modelling (hbim). *Structural Survey*, 27(4):311–327.

[Weygant, 2011] Weygant, R. S. (2011). *BIM Content Development: Standards, Strategies, and Best Practices*. Wiley, 1st edition.

9.2 AR3D3. Design Studio IX

[Allen and Iano, 2019] Allen, E. and Iano, J. (2019). *Fundamentals of Building Construction: Materials and Methods*. Wiley, 7th edition.

[Lynch, 1960] Lynch, K. (1960). *The Image of the City*. MIT Press.

[Miles et al., 2007] Miles, M. E., Berens, G., and Weiss, M. A. (2007). *Real Estate Development: Principles and Process*. Urban Land Institute, 4th edition.

[Schierle, 2012] Schierle, G. G. (2012). *Architectural Structures*. University of Southern California.

9.3 AR402. Research Workshop

[Creswell and Creswell, 2018] Creswell, J. W. and Creswell, J. D. (2018). *Research Design: Qualitative, Quantitative, and Mixed Methods Approaches*. SAGE Publications, 5th edition.

[Groat and Wang, 2013] Groat, L. N. and Wang, D. (2013). *Architectural Research Methods*. Wiley, 2nd edition.

[Salkind, 2017] Salkind, N. J. (2017). *Statistics for People Who (Think They) Hate Statistics*. SAGE Publications, 6th edition.

Chapter 10

Tenth Semester

10.1 AR3D4. Design Studio X

[Allen and Iano, 2019] Allen, E. and Iano, J. (2019). *Fundamentals of Building Construction: Materials and Methods*. Wiley, 7th edition.

[Ching and Winkel, 2017] Ching, F. D. K. and Winkel, S. R. (2017). *Building Codes Illustrated: A Guide to Understanding the International Building Code*. Wiley, 6th edition.

[Eastman et al., 2011] Eastman, C., Teicholz, P., Sacks, R., and Liston, K. (2011). *BIM Handbook: A Guide to Building Information Modeling for Owners, Managers, Designers, Engineers, and Contractors*. Wiley, 2nd edition.

[Kibert, 2016] Kibert, C. J. (2016). *Sustainable Construction: Green Building Design and Delivery*. Wiley, 4th edition.

[Schierle, 2012] Schierle, G. G. (2012). *Architectural Structures*. University of Southern California.

10.2 AR403. Research Work

[Booth et al., 2016] Booth, W. C., Colomb, G. G., Williams, J. M., Bizup, J., and FitzGerald, W. T. (2016). *The Craft of Research*. University of Chicago Press, 4th edition.

[Yin, 2018] Yin, R. K. (2018). *Case Study Research and Applications: Design and Methods*. SAGE Publications, 6th edition.

10.3 AR404. Innovation and Entrepreneurship

[Brown, 2009] Brown, T. (2009). *Change by Design*. Harper Business, 1st edition.

[Osterwalder and Pigneur, 2010] Osterwalder, A. and Pigneur, Y. (2010). *Business Model Generation*. Wiley, 1st edition.

[Peiser and Hamilton, 2019] Peiser, R. B. and Hamilton, D. (2019). *Professional Real Estate Development: The ULI Guide to the Business*. Urban Land Institute, 4th edition.

[Saull and Bayer, 2020] Saull, A. and Bayer, A. (2020). *The PropTech Guide*. self-published / Future PropTech, 1st edition.

10.4 AR4B1. AI-Assisted Automation

[Davidson, 2015] Davidson, S. (2015). *Grasshopper: Visual Scripting for Rhinoceros 3D*. self-published / McNeel, 1st edition.

[del Campo and Manninger, 2022] del Campo, M. and Manninger, S. (2022). *Neural Architecture: Design and Artificial Intelligence*. ORO Editions, 1st edition.

[Eastman et al., 2018] Eastman, C., Teicholz, P., Sacks, R., and Lee, G. (2018). *BIM Handbook: A Guide to Building Information Modeling for Owners, Designers, Engineers, Contractors, and Facility Managers*. Wiley, 3rd edition.

[Sawhney et al., 2020] Sawhney, A., Riley, M., and Irizarry, J., editors (2020). *Construction 4.0: An Innovation Platform for the Built Environment*. Routledge, 1st edition.