

Universidad Nacional de Ingeniería (UNI)
Facultad de Ingeniería Civil
Escuela Profesional de Ingeniería Civil



Libro de Bibliografía por curso

– 2026-I –

Lima: 5 de octubre de 2026

Equipo de Trabajo

Ph.D. Miguel Estrada

Doctor en Ingeniería Civil,
Universidad de Tokio, Japón, 2004
Exministro de Vivienda,
Construcción y Saneamiento del
Perú (2019)
Decano de la Facultad de Ingeniería
Civil
email: estrada@uni.edu.pe

Ph.D. Rafael Salinas-Basualdo

Doctor en Ingeniería Estructural,
Universidad Nacional Autónoma de
México, México (2013)
Director de la Escuela de Ingeniería
Civil
email: diresc_fic@uni.edu.pe

Dr. Javier Eduardo Arrieta Freire

Coordinador de la UPG, FIC UNI
Doctor en Ingeniería Civil
École Nationale des Ponts et
Chaussées (1983)
email: jarrieta@uni.edu.pe

Mag. Eden Atalaya

Secretario Académico de la FIC
Magister Universidad Mayor de San
Simon, Bolivia (2009)
email: eatalaya@uni.edu.pe

MBA. Jose Salgado

Coordinador de maestría UPG
Jefe del centro de educación
continua FIC UNI
MBA ESAN, Perú (2011)
email: jsalgadoc@uni.edu.pe

Dr. Ernesto Cuadros-Vargas

Dr. en Ciencia de la Computación, Universidad de Sao Paulo, Brasil (2004)
Orador distinguido para la *Association of Computing Machinery* (ACM)
(2025-2027)
Miembro del Directorio de Gobernadores de la Sociedad de Computación del
IEEE (2020-2023)
Miembro del *Steering Committee ACM/IEEE-CS Computing Curricula 2020*
(CS2020)
Miembro del *Steering Committee ACM/IEEE-CS Computing*
Curricula/Computer Science (CS2013)
Secretario Ejecutivo del Centro Latinoamericano de Estudios en Informática
(CLEI) 2008-2016
email: ecuadros@spc.org.pe

Índice general

1. Primer Semestre	1
1.1. MA100. Matemática Básica	1
1.2. MA111. Cálculo I	1
1.3. BCH101. Química I	1
1.4. BME101. Taller de Metodología del Aprendizaje	2
1.5. BRC101. Redacción y Comunicación	2
1.6. BIC101. Introducción a la Programación	2
1.7. BMA102. Cálculo I	3
1.8. BEC101. Economía General	3
2. Segundo Semestre	5
2.1. CE1G1. Geología General	5
2.2. CS100. Introducción a la Ciencia de la Computación	5
2.3. AI161. IA Aplicada	5
2.4. CB1E1. Dibujo Técnico y CAD	7
2.5. MA112. Cálculo II	7
2.6. BFI101. Física I	7
2.7. ID101. Inglés I	7
2.8. BEF201. Ética y Filosofía Política	8
3. Tercer Semestre	9
3.1. CB1E2. Dibujo de Ingeniería II	9
3.2. MA121. Álgebra Lineal I	9
3.3. MA210. Cálculo III	9
3.4. BFI102. Física II	10
3.5. ID102. Inglés II	10
3.6. CE1M1. Estática	10
4. Cuarto Semestre	11
4.1. MA202. Métodos Numéricos	11
4.2. MA211. Cálculo IV	11
4.3. STA251. Estadística y Probabilidades	12
4.4. ID201. Inglés III	12
4.5. CE1M2. Dinámica	12
4.6. CE2M1. Mecánica de Materiales I	12
4.7. CE3M1. Tecnología del Concreto	12

5. Quinto Semestre	13
5.1. ID202. Inglés IV	13
5.2. CE2M2. Mecánica de Materials II	13
6. Sexto Semestre	15
6.1. MA212. Ecuaciones Diferenciales Ordinarias	15
6.2. ID203. Inglés V	15
7. Séptimo Semestre	17
7.1. CE2C1. Tecnología de los Materiales	17
7.2. CE2C2. Tecnología de la Construcción I	17
7.3. CE2C6. Acondicionamiento Territorial I	17
7.4. CE2C8. Gestión Empresarial en la Construcción I	18
7.5. CE2G1. Mecánica de Suelos I	18
7.6. CE2H1. Mecánica de Fluidos I	18
7.7. CE2S1. Análisis Estructural I	19
7.8. CE2S2. Concreto Armado I	19
7.9. CE2S3. Diseño en Acero	19
8. Octavo Semestre	21
8.1. CE2C3. Tecnología del Concreto I	21
8.2. CE2C5. Gestión de Proyectos de Construcción I	21
8.3. CE2C7. Organización y Dirección de Empresas	21
8.4. CE2G2. Mecánica de Suelos II	22
8.5. CE3C2. Tecnología de la Construcción II	22
8.6. CE3C5. Gestión de Proyectos de la Construcción II	23
8.7. CE3H1. Mecánica de Fluidos II	23
8.8. CE3S1. Análisis Estructural II	23
8.9. CE3S5. Puentes y Obras de Arte	23
8.10. CE3S9. Concreto Presforzado	24
8.11. BMI201. Metodología de la Investigación en Ingeniería	24
9. Noveno Semestre	25
9.1. CE3C15. Taller de Competencias Profesionales	25
9.2. CE3C9. Gestión Integrada de la Construcción	26
9.3. CE3G3. Geología Aplicada	26
9.4. CE3G4. Mecánica de Suelos Aplicada a Vías de Transportes	27
9.5. CE3G5. Elementos Finitos Aplicada a la Geotécnica	27
9.6. CE3G6. Presas de Tierra	27
9.7. CE3H2. Hidrología General	28
9.8. CE3H3. Abastecimiento de Agua y Alcantarillado	28
9.9. CE3H4. Recursos Hidráulicos	29
9.10. CE3S11. Taller de Competencia Profesional - Estructuras	30
9.11. CE3S4. Ingeniería Sismorresistente y Prevención de Desastres	30
9.12. CE3S8. Arquitectura y Modelos Estructurales	31
9.13. CE402. Proyecto de final de carrera I	31
9.14. BLW201. Legislación	32

10. Décimo Semestre	33
10.1. CE3C11. Instalaciones Sanitarias y Eléctricas	33
10.2. CE3G1. Dinámica de Suelos	33
10.3. CE3G2. Mecánica de Suelos Aplicada a Cimentaciones	33
10.4. CE3G7. Taller de Competencias Profesionales	34
10.5. CE3H5. Introducción a la Hidráulica Fluvial	34
10.6. CE3H6. Irrigación	35
10.7. CE3H7. Taller de Ingeniería Hidráulica e Hidrología	35
10.8. CE3S10. Diseño Sísmico en Obras de Ingeniería Civil	35
10.9. CE3S12. Taller de Investigación	36
10.10CE3S2. Concreto Armado II	36
10.11CE3S6. Albañilería, Adobe y Madera	37
10.12CE3S7. Rehabilitación y Refuerzo de Estructuras	38
10.13CE403. Proyecto de final de carrera II	38
10.14CE3C12. Costos y Presupuestos (Electivo)	38
10.15CE3C13. Planeamiento y Control de Proyectos (Electivo)	39
10.16CE3C14. Infraestructura Sostenible y Resiliente	39

Capítulo 1

Primer Semestre

1.1. MA100. Matemática Básica

[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.

1.2. MA111. Cálculo 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.

1.3. BCH101. Química I

[Brown et al., 2017] Brown, T. L., Jr., H. E. L., Bursten, B. E., Murphy, C. J., and Woodward, P. M. (2017). *Chemistry: The Central Science*. Pearson.

[Chang and Goldsby, 2016] Chang, R. and Goldsby, K. A. (2016). *Chemistry*. McGraw-Hill Education.

[Mamlouk and Zaniewski, 2017] Mamlouk, M. S. and Zaniewski, J. P. (2017). *Materials for Civil and Construction Engineers*. Pearson, 4th edition.

1.4. BME101. Taller de Metodología del Aprendizaje

[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.

[Burnett and Evans, 2016] Burnett, B. and Evans, D. (2016). *Designing Your Life: How to Build a Well-Lived, Joyful Life*. Alfred A. Knopf.

[Dunlosky et al., 2013] Dunlosky, J., Rawson, K. A., Marsh, E. J., Nathan, M. J., and Willingham, D. T. (2013). Improving students' learning with effective learning techniques: Promising directions from cognitive and educational psychology. *Psychological Science in the Public Interest*, 14(1):4–58.

[Goleman, 1995] Goleman, D. (1995). *Emotional Intelligence: Why It Can Matter More Than IQ*. Bantam Books.

[Gurak and Lannon, 2013] Gurak, L. J. and Lannon, J. M. (2013). *A Concise Guide to Technical Communication*. Pearson, 4th edition.

[Leedy and Ormrod, 2019] Leedy, P. D. and Ormrod, J. E. (2019). *Practical Research: Planning and Design*. Pearson, 12th edition.

[Newport, 2007] Newport, C. (2007). *How to Become a Straight-A Student*. Broadway Books.

[Robbins and Coulter, 2017] Robbins, S. P. and Coulter, M. (2017). *Management*. Pearson, 14th edition.

[Russell and Norvig, 2020] Russell, S. and Norvig, P. (2020). *Artificial Intelligence: A Modern Approach*. Pearson, 4th edition.

1.5. BRC101. Redacción y Comunicación

[American Psychological Association, 2020] American Psychological Association (2020). *Publication Manual of the American Psychological Association*. American Psychological Association, 7th edition.

[Gurak and Lannon, 2013] Gurak, L. J. and Lannon, J. M. (2013). *A Concise Guide to Technical Communication*. Pearson, 4th edition.

1.6. BIC101. Introducción a la Programación

[Brookshear and Brylow, 2019] Brookshear, J. G. and Brylow, D. (2019). *Computer Science: An Overview*. Pearson, global edition edition.

[Cormen et al., 2009] Cormen, T. H., Leiserson, C. E., Rivest, R. L., and Stein, C. (2009). *Introduction to Algorithms*. MIT Press, 3rd edition.

-
- [Guttag, 2013] Guttag, J. V. (2013). *Introduction to Computation and Programming Using Python*. MIT Press, 1st edition.
- [Hunt and Thomas, 1999] Hunt, A. and Thomas, D. (1999). *The Pragmatic Programmer: From Journeyman to Master*. Addison-Wesley, 1st edition.
- [Zelle, 2010] Zelle, J. M. (2010). *Python Programming: An Introduction to Computer Science*. Franklin, Beedle & Associates Inc, 2nd edition.

1.7. BMA102. Cálculo I

- [Larson and Edwards, 2014] Larson, R. and Edwards, B. H. (2014). *Calculus*. Cengage Learning.
- [Stewart, 2015] Stewart, J. (2015). *Calculus: Early Transcendentals*. Cengage Learning.
- [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.

1.8. BEC101. Economía General

- [Blank and Tarquin, 2017] Blank, L. and Tarquin, A. (2017). *Engineering Economy*. McGraw-Hill, 8th edition.
- [Mankiw, 2018] Mankiw, N. G. (2018). *Principles of Economics*. Cengage Learning, 8th edition.
- [Samuelson and Nordhaus, 2010] Samuelson, P. A. and Nordhaus, W. D. (2010). *Economics*. McGraw-Hill, 19th edition.

Capítulo 2

Segundo Semestre

2.1. CE1G1. Geología General

[Billings, 1972] Billings, M. P. (1972). *Structural Geology*. Prentice-Hall, 3rd edition.

[Compton, 1985] Compton, R. R. (1985). *Geology in the Field*. Wiley, 1st edition.

[de Vallejo et al., 2002] de Vallejo, L. I. G., Ferrer, M., Ortuño, L., and Oteo, C. (2002). *Ingeniería Geológica*. Pearson Educación, 1st edition.

[Marshak, 2015] Marshak, S. (2015). *Earth: Portrait of a Planet*. W. W. Norton & Company, 5th edition.

[Tarbuck et al., 2014] Tarbuck, E. J., Lutgens, F. K., and Tasa, D. (2014). *Earth: An Introduction to Physical Geology*. Pearson, 11th edition.

2.2. CS100. Introducción a la Ciencia de la Computación

[Brookshear and Brylow, 2019] Brookshear, J. G. and Brylow, D. (2019). *Computer Science: An Overview*. Pearson, global edition edition.

2.3. AI161. IA Aplicada

[Bender et al., 2021] Bender, E. M., Gebru, T., McMillan-Major, A., and Shmitchell, S. (2021). On the dangers of stochastic parrots: Can language models be too big? In *Proceedings of the 2021 ACM Conference on Fairness, Accountability, and Transparency (FAccT '21)*, pages 610–623. Association for Computing Machinery. Foundational paper on AI ethics with ongoing relevance.

[Chinese Academy of Cyberspace Studies, 2024] Chinese Academy of Cyberspace Studies (2024). Ai governance and ethics in china. Technical report,

-
- Cyberspace Administration of China. Official Chinese perspective on AI governance and ethical standards.
- [Cloud, 2024a] Cloud, A. (2024a). AI Ethics and best practices in the chinese context. Chinese perspective on AI ethics and implementation guidelines.
- [Cloud, 2024b] Cloud, G. (2024b). Introduction to responsible ai. Google's updated framework for responsible AI development and use.
- [DeepSeek, 2024] DeepSeek (2024). Deepseek model documentation and best practices. Official documentation for DeepSeek AI models and usage guides.
- [European Union, 2024] European Union (2024). AI Act: Regulatory framework. Technical report, European Commission. Comprehensive AI regulation framework effective in 2024.
- [Institute, 2024] Institute, T. R. (2024). Ai development in china: Current status and future trends. Technical report, Tencent Research Institute. Comprehensive analysis of the development of the Chinese AI ecosystem.
- [Microsoft, 2024] Microsoft (2024). Crafting prompts for ai systems. Microsoft Learn. Official Microsoft guide for prompt engineering updated for 2024.
- [Mollick, 2023] Mollick, E. (2023). Chatgpt and how ai disrupts industries. *Harvard Business Review*, 101(5):42–51. Analysis of the practical impact of AI on global sectors.
- [Mollick and Mollick, 2024] Mollick, E. and Mollick, L. (2024). *Co-Intelligence: Living and Working with AI*. Portfolio. Practical guide for human-AI collaboration.
- [Ng, 2019] Ng, A. (2019). AI for everyone. Technical report, DeepLearning.AI. Curso en línea, actualizado continuamente en Coursera.
- [OpenAI, 2024] OpenAI (2024). Best practices for prompt engineering. Updated official prompt engineering guidelines from OpenAI.
- [Prompt Engineering Institute, 2024] Prompt Engineering Institute (2024). Prompt engineering guide. <https://www.promptingguide.ai/>. Recurso integral de ingeniería de prompts actualizado continuamente. Accedido: 15 de enero de 2024.
- [Tencent AI Lab, 2023] Tencent AI Lab (2023). Responsible ai practices in the chinese technology industry. Technical report, Tencent AI Lab. Industrial perspective on AI ethics from a leading Chinese technology company.
- [UNESCO, 2023] UNESCO (2023). Ai and education: Guidance for policy-makers. Technical report, UNESCO. Latest guidance on AI literacy and ethical implementation in education.
- [White et al., 2023] White, J., Fu, Q., Hays, S., Sandborn, M., Olea, C., Gilbert, H., Elnashar, A., Spencer-Smith, J., and Schmidt, D. C. (2023). A prompt pattern catalog to enhance prompt engineering with chatgpt. arXiv preprint. Peer-reviewed research on prompt engineering patterns.

2.4. CB1E1. Dibujo Técnico y CAD

[Jensen et al., 2007] Jensen, C., Helsel, J., and Short, D. (2007). *Engineering Drawing and Design*. McGraw-Hill, 7th edition.

[Luzadder and Duff, 1993] Luzadder, W. and Duff, J. (1993). *Fundamentals of Engineering Drawing*. Prentice Hall, 11th edition.

[Omura and Benton, 2021] Omura, G. and Benton, B. (2021). *Mastering AutoCAD 2021 and AutoCAD LT 2021*. Sybex, 1st edition.

2.5. MA112. Cálculo II

[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.

2.6. BFI101. Física I

[Kleppner and Kolenkow, 2013] Kleppner, D. and Kolenkow, R. J. (2013). *An Introduction to Mechanics*. Cambridge University Press, 2nd edition.

[Serway and Jewett, 2018] Serway, R. A. and Jewett, J. W. (2018). *Physics for Scientists and Engineers with Modern Physics*. Cengage Learning, 10th edition.

[Tipler and Mosca, 2007] Tipler, P. A. and Mosca, G. (2007). *Physics for Scientists and Engineers*. W. H. Freeman and Company, 6th edition.

[Young and Freedman, 2015] Young, H. D. and Freedman, R. A. (2015). *Sears and Zemansky's University Physics with Modern Physics*. Pearson Education, 14th edition.

2.7. ID101. Inglés I

[Cambridge, 2006] Cambridge (2006). *Diccionario Inglés-Español 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.

2.8. BEF201. Ética y Filosofía Política

- [Fleddermann, 2020] Fleddermann, C. B. (2020). *Engineering Ethics*. Pearson, 5th edition.
- [Harris et al., 2013] Harris, C. E., Pritchard, M. S., and Rabins, M. J. (2013). *Engineering Ethics: Concepts and Cases*. Cengage Learning, 5th edition.
- [Kymlicka, 2002] Kymlicka, W. (2002). *Contemporary Political Philosophy: An Introduction*. Oxford University Press, 2nd edition.
- [Rachels and Rachels, 2015] Rachels, J. and Rachels, S. (2015). *The Elements of Moral Philosophy*. McGraw-Hill Education, 8th edition.
- [Rawls, 1999] Rawls, J. (1999). *A Theory of Justice*. Belknap Press, revised edition.

Capítulo 3

Tercer Semestre

3.1. CB1E2. Dibujo de Ingeniería II

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

[Luzadder and Duff, 1993] Luzadder, W. and Duff, J. (1993). *Fundamentals of Engineering Drawing*. Prentice Hall, 11th edition.

[Pare et al., 1997] Pare, E. G., Loving, R. O., Hill, I. L., and Pare, R. C. (1997). *Descriptive Geometry*. Prentice Hall, 9th edition.

3.2. MA121. Algebra Lineal I

[Anton and Rorres, 2014] Anton, H. and Rorres, C. (2014). *Álgebra Lineal con Aplicaciones*. Limusa Wiley, 11th edition.

[Lay et al., 2016] Lay, D. C., Lay, S. R., and McDonald, J. J. (2016). *Álgebra Lineal y sus Aplicaciones*. Pearson, 5th edition.

[Strang, 2016] Strang, G. (2016). *Introduction to Linear Algebra*. Wellesley-Cambridge Press, 5th edition.

3.3. MA210. Cálculo III

[Apostol, 1969] Apostol, T. M. (1969). *Calculus, Volume II: Multi-Variable Calculus and Linear Algebra*. Wiley, 2nd edition.

[Boyce et al., 2017] Boyce, W. E., DiPrima, R. C., and Meade, D. B. (2017). *Ecuaciones Diferenciales y Problemas con Valores en la Frontera*. Limusa Wiley, 11th edition.

[Larson and Edwards, 2018] Larson, R. and Edwards, B. H. (2018). *Cálculo Volumen 2*. Cengage Learning, 10th edition.

-
- [Marsden and Tromba, 2003] Marsden, J. E. and Tromba, A. J. (2003). *Cálculo Vectorial*. Pearson, 5th edition.
- [Stewart, 2016] Stewart, J. (2016). *Cálculo de varias variables: Trascendentes tempranas*. Cengage Learning, 8th edition.
- [Thomas et al., 2014] Thomas, G. B., Weir, M. D., and Hass, J. (2014). *Cálculo de varias variables*. Pearson, 13th edition.

3.4. BFI102. Física II

- [French, 1971] French, A. P. (1971). *Vibrations and Waves*. W. W. Norton & Company.
- [Griffiths, 2017] Griffiths, D. J. (2017). *Introduction to Electrodynamics*. Cambridge University Press, 4th edition.
- [Marion and Thornton, 2003] Marion, J. B. and Thornton, S. T. (2003). *Classical Dynamics of Particles and Systems*. Thomson Brooks/Cole, 5th edition.
- [Serway and Jewett, 2018] Serway, R. A. and Jewett, J. W. (2018). *Physics for Scientists and Engineers with Modern Physics*. Cengage Learning, 10th edition.
- [Young and Freedman, 2015] Young, H. D. and Freedman, R. A. (2015). *Sears and Zemansky's University Physics with Modern Physics*. Pearson Education, 14th edition.

3.5. ID102. Inglés II

- [Cambridge, 2006] Cambridge (2006). *Diccionario Inglés-Español Cambridge*. Editorial Oxford.
- [MacGrew, 1999] MacGrew, J. (1999). *Focus on Grammar Basic*. Editorial Oxford.
- [Soars and John, 2002a] Soars, L. and John (2002a). *American Headway N 1 Student Book*. Editorial Oxford.

3.6. CE1M1. Estática

- [Hibbeler, 2016] Hibbeler, R. (2016). *Engineering Mechanics: Statics*. Pearson, 14th edition.
- [Meriam and Kraige, 2014] Meriam, J. and Kraige, L. (2014). *Engineering Mechanics: Statics*. Wiley, 8th edition.

Capítulo 4

Cuarto Semestre

4.1. MA202. Métodos Numéricos

- [Burden and Faires, 2010] Burden, R. L. and Faires, J. D. (2010). *Numerical Analysis*. Cengage Learning.
- [Chapra and Canale, 2015] Chapra, S. C. and Canale, R. P. (2015). *Numerical Methods for Engineers*. McGraw-Hill Education.
- [Nocedal and Wright, 2006] Nocedal, J. and Wright, S. J. (2006). *Numerical Optimization*. Springer, 2nd edition.
- [Pacheco and Malensek, 2022] Pacheco, P. S. and Malensek, M. (2022). *An Introduction to Parallel Programming*. Morgan Kaufmann, 2nd edition.
- [Reddy, 2019] Reddy, J. N. (2019). *An Introduction to the Finite Element Method*. McGraw-Hill Education, 4th edition.
- [Shumway and Stoffer, 2017] Shumway, R. H. and Stoffer, D. S. (2017). *Time Series Analysis and Its Applications: With R Examples*. Springer, 4th edition.
- [Trefethen and III, 1997] Trefethen, L. N. and III, D. B. (1997). *Numerical Linear Algebra*. SIAM.
- [West, 2001] West, D. B. (2001). *Introduction to Graph Theory*. Prentice Hall, 2nd edition.

4.2. MA211. Cálculo IV

- [Bender and Orszag, 1999] Bender, C. M. and Orszag, S. A. (1999). *Advanced Mathematical Methods for Scientists and Engineers I: Asymptotic Methods and Perturbation Theory*. Springer.
- [Boyce et al., 2017] Boyce, W. E., DiPrima, R. C., and Meade, D. B. (2017). *Ecuaciones Diferenciales y Problemas con Valores en la Frontera*. Limusa Wiley, 11th edition.
- [Stewart, 2016] Stewart, J. (2016). *Cálculo de varias variables: Trascendentes tempranas*. Cengage Learning, 8th edition.

[Strauss, 2008] Strauss, W. A. (2008). *Partial Differential Equations: An Introduction*. Wiley, 2nd edition.

4.3. STA251. Estadística y Probabilidades

[Devore, 2016] Devore, J. L. (2016). *Probability and Statistics for Engineering and the Sciences*. Cengage Learning.

[Ross, 2014] Ross, S. M. (2014). *A First Course in Probability*. Pearson.

4.4. ID201. Inglés III

[Cambridge, 2006] Cambridge (2006). *Diccionario Inglés-Español 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. CE1M2. Dinámica

[Bedford and Fowler, 2008] Bedford, A. and Fowler, W. (2008). *Engineering Mechanics: Dynamics*. Prentice Hall, 5th edition.

[Hibbeler, 2016] Hibbeler, R. (2016). *Engineering Mechanics: Dynamics*. Pearson, 14th edition.

4.6. CE2M1. Mecánica de Materiales I

[Gere and Goodno, 2017] Gere, J. and Goodno, B. (2017). *Mechanics of Materials*. Cengage Learning, 9th edition.

[Hibbeler, 2017] Hibbeler, R. (2017). *Mechanics of Materials*. Pearson, 10th edition.

4.7. CE3M1. Tecnología del Concreto

[Kosmatka and Wilson, 2016] Kosmatka, S. and Wilson, M. (2016). *Design and Control of Concrete Mixtures*. Portland Cement Association (PCA), 16th edition.

[López, 2000] López, E. R. (2000). *Naturaleza y Materiales del Concreto*. Capítulo Peruano del American Concrete Institute, 1st edition.

[Neville, 2011] Neville, A. (2011). *Properties of Concrete*. Pearson Education, 5th edition.

Capítulo 5

Quinto Semestre

5.1. ID202. Inglés 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.

5.2. CE2M2. Mecánica de Materials II

[Gere and Goodno, 2017] Gere, J. and Goodno, B. (2017). *Mechanics of Materials*. Cengage Learning, 9th edition.

[Hibbeler, 2017] Hibbeler, R. (2017). *Mechanics of Materials*. Pearson, 10th edition.

Capítulo 6

Sexto Semestre

6.1. MA212. Ecuaciones Diferenciales Ordinarias

[Boyce et al., 2017] Boyce, W. E., DiPrima, R. C., and Meade, D. B. (2017). *Ecuaciones Diferenciales y Problemas con Valores en la Frontera*. Limusa Wiley, 11th edition.

[Zill, 2018] Zill, D. G. (2018). *Ecuaciones Diferenciales con Aplicaciones de Modelado*. Cengage Learning, 11th edition.

6.2. ID203. Inglés V

[Cambridge, 2006] Cambridge (2006). *Diccionario Inglés-Español 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.

Capítulo 7

Séptimo Semestre

7.1. CE2C1. Tecnología de los Materiales

[Blondet et al., 2003] Blondet, M., Garcia, G. V., and Brzev, S. (2003). Earthquake-resistant construction of adobe buildings: A tutorial. Technical report, EERI/IAEE World Housing Encyclopedia.

[Callister and Rethwisch, 2020] Callister, W. D. and Rethwisch, D. G. (2020). *Materials Science and Engineering: An Introduction*. Wiley, 10th edition.

[Drysdale and Hamid, 2008] Drysdale, R. G. and Hamid, A. A. (2008). *Masonry Structures: Behavior and Design*. Masonry Society, 3rd edition.

[Neville, 2011] Neville, A. M. (2011). *Properties of Concrete*. Pearson, 5th edition.

7.2. CE2C2. Tecnología de la Construcción I

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

[Hinze, 2005] Hinze, J. W. (2005). *Construction Safety*. Prentice Hall, 2nd edition.

[Peurifoy et al., 2018] Peurifoy, R. L., Schexnayder, C. J., Shapira, A., and Jha, K. N. (2018). *Construction Planning, Equipment, and Methods*. McGraw-Hill, 9th edition.

7.3. CE2C6. Acondicionamiento Territorial I

[Hall and Tewdwr-Jones, 2014] Hall, P. and Tewdwr-Jones, M. (2014). *Urban and Regional Planning*. Routledge, 6th edition.

7.4. CE2C8. Gestión Empresarial en la Construcción I

- [Brealey et al., 2020] Brealey, R. A., Myers, S. C., and Allen, F. (2020). *Principles of Corporate Finance*. McGraw-Hill, 13th edition.
- [Chaffey and Ellis-Chadwick, 2019] Chaffey, D. and Ellis-Chadwick, F. (2019). *Digital Marketing*. Pearson, 7th edition.
- [Clarkson et al., 2021] Clarkson, K. W., Miller, R. L., and Cross, F. B. (2021). *Business Law: Text and Cases*. Cengage Learning, 15th edition.
- [Garrison et al., 2021] Garrison, R. H., Noreen, E. W., and Brewer, P. C. (2021). *Managerial Accounting*. McGraw-Hill, 17th edition.
- [Osterwalder and Pigneur, 2010] Osterwalder, A. and Pigneur, Y. (2010). *Business Model Generation*. Wiley, 1st edition.
- [Robbins and Coulter, 2017] Robbins, S. P. and Coulter, M. (2017). *Management*. Pearson, 14th edition.

7.5. CE2G1. Mecánica de Suelos I

- [Das, 2019] Das, B. M. (2019). *Principles of Geotechnical Engineering*. Cengage Learning, 9th edition.

7.6. CE2H1. Mecánica de Fluidos I

- [Boyce and DiPrima, 2017] Boyce, W. E. and DiPrima, R. C. (2017). *Elementary Differential Equations and Boundary Value Problems*. Wiley, 11th edition.
- [Cengel and Boles, 2019] Cengel, Y. A. and Boles, M. A. (2019). *Thermodynamics: An Engineering Approach*. McGraw-Hill, 9th edition.
- [Chapra and Canale, 2015] Chapra, S. C. and Canale, R. P. (2015). *Numerical Methods for Engineers*. McGraw-Hill, 7th edition.
- [Chorin and Marsden, 1993] Chorin, A. J. and Marsden, J. E. (1993). *A Mathematical Introduction to Fluid Mechanics*. Springer, 3rd edition.
- [Goldstein et al., 2002] Goldstein, H., Poole, C., and Safko, J. (2002). *Classical Mechanics*. Addison Wesley, 3rd edition.
- [Hibbeler, 2017] Hibbeler, R. (2017). *Mechanics of Materials*. Pearson, 10th edition.
- [Mase et al., 2010] Mase, G. T., Smelser, R. E., and Mase, G. E. (2010). *Continuum Mechanics for Engineers*. CRC Press, 3rd edition.
- [Reddy, 2019] Reddy, J. N. (2019). *An Introduction to the Finite Element Method*. McGraw-Hill, 4th edition.
- [White, 2016] White, F. M. (2016). *Fluid Mechanics*. McGraw-Hill, 8th edition.

7.7. CE2S1. Análisis Estructural I

[Hibbeler, 2018] Hibbeler, R. C. (2018). *Structural Analysis*. Pearson, 10th edition.

[Kassimali, 2020] Kassimali, A. (2020). *Structural Analysis*. Cengage Learning, 6th edition.

[McCormac and Nelson, 2013] McCormac, J. C. and Nelson, J. K. (2013). *Structural Analysis: Using Classical and Matrix Methods*. Wiley, 5th edition.

7.8. CE2S2. Concreto Armado I

[ACI Committee 318, 2019] ACI Committee 318 (2019). Building code requirements for structural concrete (aci 318-19) and commentary. Technical report, American Concrete Institute.

[Coduto, 2001] Coduto, D. P. (2001). *Foundation Design: Principles and Practices*. Prentice Hall, 2nd edition.

[McCormac and Brown, 2021] McCormac, J. C. and Brown, R. H. (2021). *Design of Reinforced Concrete*. Wiley, 10th edition.

[Wight and MacGregor, 2016] Wight, J. K. and MacGregor, J. G. (2016). *Reinforced Concrete: Mechanics and Design*. Pearson, 7th edition.

7.9. CE2S3. Diseño en Acero

[McCormac and Csernak, 2019] McCormac, J. C. and Csernak, S. F. (2019). *Structural Steel Design*. Pearson, 6th edition.

[of Steel Construction, 2017] of Steel Construction, A. I. (2017). Steel construction manual. Technical report, American Institute of Steel Construction.

[Segui, 2018] Segui, W. T. (2018). *Steel Design*. Cengage Learning, 6th edition.

Capítulo 8

Octavo Semestre

8.1. CE2C3. Tecnología del Concreto I

[Callister and Rethwisch, 2020] Callister, W. D. and Rethwisch, D. G. (2020). *Materials Science and Engineering: An Introduction*. Wiley, 10th edition.

[Institute, 2021] Institute, A. C. (2021). Aci 562: Code requirements for assessment, repair, and rehabilitation of existing concrete structures. Technical report, American Concrete Institute.

[Neville, 2011] Neville, A. M. (2011). *Properties of Concrete*. Pearson, 5th edition.

8.2. CE2C5. Gestión de Proyectos de Construcción I

[Callahan et al., 1992] Callahan, M. T., Quackenbush, D. G., and Rowings, J. E. (1992). *Construction Project Scheduling*. McGraw-Hill.

[Fisk and Reynolds, 2013] Fisk, E. R. and Reynolds, W. D. (2013). *Construction Project Administration*. Pearson, 10th edition.

[Gould, 2018] Gould, F. E. (2018). *Managing the Construction Process: Estimating, Scheduling, and Project Control*. Pearson, 6th edition.

[Institute, 2021] Institute, P. M. (2021). *A Guide to the Project Management Body of Knowledge (PMBOK Guide)*. Project Management Institute, 7th edition.

[RSMeans, 2024] RSMeans (2024). *RSMeans Building Construction Cost Data*. Gordian.

8.3. CE2C7. Organización y Dirección de Empresas

[DeCenzo et al., 2019] DeCenzo, D. A., Robbins, S. P., and Verhulst, S. L. (2019). *Fundamentals of Human Resource Management*. Wiley, 13th edition.

-
- [Heizer et al., 2020] Heizer, J., Render, B., and Munson, C. (2020). *Operations Management: Sustainability and Supply Chain Management*. Pearson, 13th edition.
- [Kotler and Armstrong, 2016] Kotler, P. and Armstrong, G. (2016). *Principles of Marketing*. Pearson, 16th edition.
- [Robbins and Coulter, 2017] Robbins, S. P. and Coulter, M. (2017). *Management*. Pearson, 14th edition.
- [Weygandt et al., 2018] Weygandt, J. J., Kimmel, P. D., and Kieso, D. E. (2018). *Financial Accounting*. Wiley, 10th edition.

8.4. CE2G2. Mecánica de Suelos II

- [Coduto, 2001] Coduto, D. P. (2001). *Foundation Design: Principles and Practices*. Prentice Hall, 2nd edition.
- [Das, 2019] Das, B. M. (2019). *Principles of Geotechnical Engineering*. Cengage Learning, 9th edition.
- [Duncan et al., 2014] Duncan, J. M., Wright, S. G., and Brandon, T. L. (2014). *Soil Strength and Slope Stability*. John Wiley & Sons, 2nd edition.

8.5. CE3C2. Tecnología de la Construcción II

- [Das, 2019] Das, B. M. (2019). *Principles of Geotechnical Engineering*. Cengage Learning, 9th edition.
- [Drysdales and Hamid, 2008] Drysdale, R. G. and Hamid, A. A. (2008). *Masonry Structures: Behavior and Design*. Masonry Society, 3rd edition.
- [Ghilani and Wolf, 2020] Ghilani, C. D. and Wolf, P. R. (2020). *Elementary Surveying: An Introduction to Geomatics*. Pearson, 15th edition.
- [Hurd, 2005] Hurd, M. K. (2005). *Formwork for Concrete*. American Concrete Institute, 7th edition. ACI SP-4.
- [Institute, 2019] Institute, A. C. (2019). Aci 318: Building code requirements for structural concrete. Technical report, American Concrete Institute.
- [Institute, 2020] Institute, C. R. S. (2020). Manual of standard practice. Technical report, Concrete Reinforcing Steel Institute.
- [Peurifoy et al., 2018] Peurifoy, R. L., Schexnayder, C. J., Shapira, A., and Jha, K. N. (2018). *Construction Planning, Equipment, and Methods*. McGraw-Hill, 9th edition.

8.6. CE3C5. Gestión de Proyectos de la Construcción II

[de la Construcción (CAPECO), 2020] de la Construcción (CAPECO), C. P. (2020). Costos y presupuestos en edificación. Technical report, CAPECO.

[Peurifoy et al., 2018] Peurifoy, R. L., Schexnayder, C. J., Shapira, A., and Jha, K. N. (2018). *Construction Planning, Equipment, and Methods*. McGraw-Hill, 9th edition.

8.7. CE3H1. Mecánica de Fluidos II

[Chow, 1959] Chow, V. T. (1959). *Open-Channel Hydraulics*. McGraw-Hill.

[Novak et al., 2007] Novak, P., Moffat, A. I. B., Nalluri, C., and Narayanan, R. (2007). *Hydraulic Structures*. Taylor & Francis, 4th edition.

[White, 2016] White, F. M. (2016). *Fluid Mechanics*. McGraw-Hill, 8th edition.

[Ávila, 2002] Ávila, G. S. (2002). *Hidráulica General, Tomo I: Fundamentos*. Limusa, 2da edition.

8.8. CE3S1. Análisis Estructural II

[Bathe, 2014] Bathe, K.-J. (2014). *Finite Element Procedures*. K.J. Bathe, 2nd edition.

[Chopra, 2017] Chopra, A. K. (2017). *Dynamics of Structures: Theory and Applications to Earthquake Engineering*. Pearson, 5th edition.

[Kassimali, 2012] Kassimali, A. (2012). *Matrix Analysis of Structures*. Cengage Learning, 2nd edition.

[McGuire et al., 2000] McGuire, W., Gallagher, R. H., and Ziemian, R. D. (2000). *Matrix Structural Analysis*. Wiley, 2nd edition.

8.9. CE3S5. Puentes y Obras de Arte

[AASHTO, 2020] AASHTO (2020). Aashto lrd bridge design specifications. Technical report, American Association of State Highway and Transportation Officials.

[Barker and Puckett, 2013] Barker, R. M. and Puckett, J. A. (2013). *Design of Highway Bridges: An LRFD Approach*. Wiley, 3rd edition.

[Chen and Duan, 2014] Chen, W.-F. and Duan, L., editors (2014). *Bridge Engineering Handbook*. CRC Press, 2nd edition.

[Hudson et al., 1997] Hudson, W. R., Haas, R., and Uddin, W. (1997). *Infrastructure Management: Integrating Design, Construction, Maintenance, Rehabilitation, and Renovation*. McGraw-Hill.

8.10. CE3S9. Concreto Presforzado

[ACI Committee 318, 2019] ACI Committee 318 (2019). Building code requirements for structural concrete (aci 318-19) and commentary. Technical report, American Concrete Institute.

[Lin and Burns, 1981] Lin, T. Y. and Burns, N. H. (1981). *Design of Prestressed Concrete Structures*. John Wiley & Sons, 3rd edition.

[Nawy, 2010] Nawy, E. G. (2010). *Prestressed Concrete: A Fundamental Approach*. Pearson, 5th edition.

[Nilson, 1987] Nilson, A. H. (1987). *Design of Prestressed Concrete*. John Wiley & Sons, 2nd edition.

8.11. BMI201. Metodología de la Investigación en Ingeniería

[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.

[Leedy and Ormrod, 2019] Leedy, P. D. and Ormrod, J. E. (2019). *Practical Research: Planning and Design*. Pearson, 12th edition.

[of Civil Engineers (ASCE), 2019] of Civil Engineers (ASCE), A. S. (2019). Guide to preparing engineering research reports and theses. Technical report, ASCE.

Capítulo 9

Noveno Semestre

9.1. CE3C15. Taller de Competencias Profesionales

[Blank and Tarquin, 2017] Blank, L. and Tarquin, A. (2017). *Engineering Economy*. McGraw-Hill, 8th edition.

[Callahan et al., 1992] Callahan, M. T., Quackenbush, D. G., and Rowings, J. E. (1992). *Construction Project Scheduling*. McGraw-Hill.

[de la Construcción (CAPECO), 2020] de la Construcción (CAPECO), C. P. (2020). Costos y presupuestos en edificación. Technical report, CAPECO.

[de las Contrataciones del Estado (OSCE), 2019] de las Contrataciones del Estado (OSCE), O. S. (2019). Ley de contrataciones del estado, ley n.º 30225, y su reglamento. Technical report, OSCE.

[de Trabajo y Promoción del Empleo del Perú, 2010] de Trabajo y Promoción del Empleo del Perú, M. (2010). Norma g.050: Seguridad durante la construcción. Technical report, Reglamento Nacional de Edificaciones del Perú.

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

[for Standardization, 2015] for Standardization, I. O. (2015). Iso 9001: Quality management systems – requirements. Technical report, ISO.

[Glasson and Therivel, 2019] Glasson, J. and Therivel, R. (2019). *Introduction to Environmental Impact Assessment*. Routledge, 5th edition.

[Hinze, 2005] Hinze, J. W. (2005). *Construction Safety*. Prentice Hall, 2nd edition.

[Institute, 2021] Institute, P. M. (2021). *A Guide to the Project Management Body of Knowledge (PMBOK Guide)*. Project Management Institute, 7th edition.

[Neville, 2011] Neville, A. M. (2011). *Properties of Concrete*. Pearson, 5th edition.

- [Peurifoy et al., 2018] Peurifoy, R. L., Schexnayder, C. J., Shapira, A., and Jha, K. N. (2018). *Construction Planning, Equipment, and Methods*. McGraw-Hill, 9th edition.

9.2. CE3C9. Gestión Integrada de la Construcción

- [Ballard, 2000] Ballard, G. (2000). The last planner system of production control. *PhD Thesis, University of Birmingham*.
- [Davis and Cornwell, 2010] Davis, M. L. and Cornwell, D. A. (2010). *Introduction to Environmental Engineering*. McGraw-Hill, 5th edition.
- [de Trabajo y Promoción del Empleo del Perú, 2010] de Trabajo y Promoción del Empleo del Perú, M. (2010). Norma g.050: Seguridad durante la construcción. Technical report, Reglamento Nacional de Edificaciones del Perú.
- [for Standardization, 2015a] for Standardization, I. O. (2015a). Iso 14001: Environmental management systems – requirements with guidance for use. Technical report, ISO.
- [for Standardization, 2015b] for Standardization, I. O. (2015b). Iso 9001: Quality management systems – requirements. Technical report, ISO.
- [for Standardization, 2018] for Standardization, I. O. (2018). Iso 45001: Occupational health and safety management systems – requirements with guidance for use. Technical report, ISO.
- [Glasson and Therivel, 2019] Glasson, J. and Therivel, R. (2019). *Introduction to Environmental Impact Assessment*. Routledge, 5th edition.
- [Hinze, 2005] Hinze, J. W. (2005). *Construction Safety*. Prentice Hall, 2nd edition.
- [Institute, 2021] Institute, P. M. (2021). *A Guide to the Project Management Body of Knowledge (PMBOK Guide)*. Project Management Institute, 7th edition.

9.3. CE3G3. Geología Aplicada

- [Bieniawski, 1989] Bieniawski, Z. T. (1989). *Engineering Rock Mass Classifications*. John Wiley & Sons, 1st edition.
- [Cruden and Varnes, 1996] Cruden, D. M. and Varnes, D. J. (1996). Landslide types and processes. In *Landslides: Investigation and Mitigation, Transportation Research Board Special Report 247*. National Academy Press.
- [Das, 2019] Das, B. M. (2019). *Principles of Geotechnical Engineering*. Cengage Learning, 9th edition.
- [de Vallejo et al., 2002] de Vallejo, L. I. G., Ferrer, M., Ortuño, L., and Oteo, C. (2002). *Ingeniería Geológica*. Pearson Educación, 1st edition.

- [Federal Highway Administration, 2001] Federal Highway Administration (2001). *Engineering Geology Field Manual, Volumes I-II*, 2nd edition.
- [Hoek and Bray, 1981] Hoek, E. and Bray, J. W. (1981). *Rock Slope Engineering*. Institution of Mining and Metallurgy, 3rd edition.
- [Hoek et al., 1995] Hoek, E., Kaiser, P. K., and Bawden, W. F. (1995). *Support of Underground Excavations in Hard Rock*. A. A. Balkema, 1st edition.
- [Smith and Collis, 2001] Smith, M. R. and Collis, L. (2001). Aggregates: Sand, gravel and crushed rock aggregates for construction purposes. In *Geological Society Engineering Geology Special Publication 17*. Geological Society of London, 3rd edition.

9.4. CE3G4. Mecánica de Suelos Aplicada a Vías de Transportes

- [AASHTO, 1993] AASHTO (1993). Aashto guide for design of pavement structures. Technical report, American Association of State Highway and Transportation Officials.
- [Huang, 2004] Huang, Y. H. (2004). *Pavement Analysis and Design*. Pearson Prentice Hall, 2nd edition.
- [Hudson et al., 1997] Hudson, W. R., Haas, R., and Uddin, W. (1997). *Infrastructure Management: Integrating Design, Construction, Maintenance, Rehabilitation, and Renovation*. McGraw-Hill.

9.5. CE3G5. Elementos Finitos Aplicada a la Geotécnica

- [Kramer, 1996] Kramer, S. L. (1996). *Geotechnical Earthquake Engineering*. Prentice Hall.
- [Potts and Zdravković, 2001] Potts, D. M. and Zdravković, L. (2001). *Finite Element Analysis in Geotechnical Engineering: Theory and Application*. Thomas Telford Publishing.
- [Reddy, 2019] Reddy, J. N. (2019). *An Introduction to the Finite Element Method*. McGraw-Hill, 4th edition.
- [Zienkiewicz et al., 2013] Zienkiewicz, O. C., Taylor, R. L., and Zhu, J. Z. (2013). *The Finite Element Method: Its Basis and Fundamentals*. Butterworth-Heinemann, 7th edition.

9.6. CE3G6. Presas de Tierra

- [Das, 2019] Das, B. M. (2019). *Principles of Geotechnical Engineering*. Cengage Learning, 9th edition.

-
- [Dunnicliff, 1993] Dunnicliff, J. (1993). *Geotechnical Instrumentation for Monitoring Field Performance*. John Wiley & Sons.
- [Federal Emergency Management Agency, 2004] Federal Emergency Management Agency (2004). Federal guidelines for dam safety. Technical Report FEMA 93, FEMA.
- [Fell et al., 2015] Fell, R., MacGregor, P., Stapledon, D., Bell, G., and Foster, M. (2015). *Geotechnical Engineering of Dams*. CRC Press, 2nd edition.
- [Sherard et al., 1963] Sherard, J. L., Woodward, R. J., Gizienski, S. F., and Clevenger, W. A. (1963). *Earth and Earth-Rock Dams: Engineering Problems of Design and Construction*. John Wiley & Sons.
- [U.S. Army Corps of Engineers, 2003] U.S. Army Corps of Engineers (2003). Engineering and design: Slope stability. Technical Report EM 1110-2-1902, U.S. Army Corps of Engineers.
- [U.S. Bureau of Reclamation, 1987] U.S. Bureau of Reclamation (1987). Design of small dams. Technical report, U.S. Government Printing Office.

9.7. CE3H2. Hidrología General

- [Chow et al., 1988] Chow, V. T., Maidment, D. R., and Mays, L. W. (1988). *Applied Hydrology*. McGraw-Hill.

9.8. CE3H3. Abastecimiento de Agua y Alcantarillado

- [Ang and Tang, 2007] Ang, A. H.-S. and Tang, W. H. (2007). *Probability Concepts in Engineering: Emphasis on Applications to Civil and Environmental Engineering*. Wiley, 2nd edition.
- [Blank and Tarquin, 2017] Blank, L. and Tarquin, A. (2017). *Engineering Economy*. McGraw-Hill, 8th edition.
- [Callister and Rethwisch, 2020] Callister, W. D. and Rethwisch, D. G. (2020). *Materials Science and Engineering: An Introduction*. Wiley, 10th edition.
- [Chow, 1959] Chow, V. T. (1959). *Open-Channel Hydraulics*. McGraw-Hill.
- [Chow et al., 1988] Chow, V. T., Maidment, D. R., and Mays, L. W. (1988). *Applied Hydrology*. McGraw-Hill.
- [Das, 2019] Das, B. M. (2019). *Principles of Geotechnical Engineering*. Cengage Learning, 9th edition.
- [Davis and Cornwell, 2010] Davis, M. L. and Cornwell, D. A. (2010). *Introduction to Environmental Engineering*. McGraw-Hill, 5th edition.
- [Eddy et al., 2013] Eddy, M. ., Tchobanoglous, G., Stensel, H. D., Tsuchihashi, R., and Burton, F. (2013). *Wastewater Engineering: Treatment and Resource Recovery*. McGraw-Hill, 5th edition.

-
- [Glasson and Therivel, 2019] Glasson, J. and Therivel, R. (2019). *Introduction to Environmental Impact Assessment*. Routledge, 5th edition.
- [Hibbeler, 2017] Hibbeler, R. (2017). *Mechanics of Materials*. Pearson, 10th edition.
- [Kibert, 2016] Kibert, C. J. (2016). *Sustainable Construction: Green Building Design and Delivery*. Wiley, 5th edition.
- [Neville, 2011] Neville, A. M. (2011). *Properties of Concrete*. Pearson, 5th edition.
- [Nocedal and Wright, 2006] Nocedal, J. and Wright, S. J. (2006). *Numerical Optimization*. Springer, 2nd edition.
- [Novak et al., 2007] Novak, P., Moffat, A. I. B., Nalluri, C., and Narayanan, R. (2007). *Hydraulic Structures*. Taylor & Francis, 4th edition.
- [West, 2001] West, D. B. (2001). *Introduction to Graph Theory*. Prentice Hall, 2nd edition.
- [White, 2016] White, F. M. (2016). *Fluid Mechanics*. McGraw-Hill, 8th edition.
- [Ávila, 2002] Ávila, G. S. (2002). *Hidráulica General, Tomo I: Fundamentos*. Limusa, 2da edition.

9.9. CE3H4. Recursos Hidráulicos

- [Blank and Tarquin, 2017] Blank, L. and Tarquin, A. (2017). *Engineering Economy*. McGraw-Hill, 8th edition.
- [Chow et al., 1988] Chow, V. T., Maidment, D. R., and Mays, L. W. (1988). *Applied Hydrology*. McGraw-Hill.
- [del Agua (ANA), 2016] del Agua (ANA), A. N. (2016). Ley de recursos hídricos, ley n.º 29338, y su reglamento. Technical report, Ministerio de Agricultura y Riego del Perú.
- [Fetter, 2001] Fetter, C. W. (2001). *Applied Hydrogeology*. Prentice Hall, 4th edition.
- [Glasson and Therivel, 2019] Glasson, J. and Therivel, R. (2019). *Introduction to Environmental Impact Assessment*. Routledge, 5th edition.
- [Hillier and Lieberman, 2021] Hillier, F. S. and Lieberman, G. J. (2021). *Introduction to Operations Research*. McGraw-Hill, 11th edition.
- [Institute, 2021] Institute, P. M. (2021). *A Guide to the Project Management Body of Knowledge (PMBOK Guide)*. Project Management Institute, 7th edition.
- [Loucks and van Beek, 2017] Loucks, D. P. and van Beek, E. (2017). *Water Resources Systems Planning and Management: An Introduction to Methods, Models, and Applications*. Springer, 2nd edition.
- [Triantaphyllou, 2000] Triantaphyllou, E. (2000). *Multi-Criteria Decision Making Methods: A Comparative Study*. Springer.

9.10. CE3S11. Taller de Competencia Profesional - Estructuras

[ACI Committee 318, 2019] ACI Committee 318 (2019). Building code requirements for structural concrete (aci 318-19) and commentary. Technical report, American Concrete Institute.

[Bazán and Meli, 2002] Bazán, E. and Meli, R. (2002). *Diseño Sísmico de Edificios*. Editorial Limusa.

[Chopra, 2017] Chopra, A. K. (2017). *Dynamics of Structures: Theory and Applications to Earthquake Engineering*. Pearson, 5th edition.

[Farrar and Worden, 2013] Farrar, C. R. and Worden, K. (2013). *Structural Health Monitoring: A Machine Learning Perspective*. Wiley.

[Gere and Goodno, 2017] Gere, J. and Goodno, B. (2017). *Mechanics of Materials*. Cengage Learning, 9th edition.

[Harris et al., 2019] Harris, C. E., Pritchard, M. S., Rabins, M. J., James, R., and Englehardt, E. (2019). *Engineering Ethics: Concepts and Cases*. Cengage Learning, 6th edition.

[Hibbeler, 2017] Hibbeler, R. (2017). *Mechanics of Materials*. Pearson, 10th edition.

[McCormac and Brown, 2021] McCormac, J. C. and Brown, R. H. (2021). *Design of Reinforced Concrete*. Wiley, 10th edition.

[Moehle, 2015] Moehle, J. P. (2015). *Seismic Design of Reinforced Concrete Buildings*. McGraw-Hill Education.

[Neville, 2011] Neville, A. M. (2011). *Properties of Concrete*. Pearson, 5th edition.

[of Civil Engineers (ASCE), 2018] of Civil Engineers (ASCE), A. S. (2018). Adapting infrastructure to climate change: A guide for engineers. Technical report, ASCE.

[Servicio Nacional de Capacitación para la Industria de la Construcción (SENCICO) / Ministerio de Vivienda, C. y. S. d. P. (2018). Norma técnica e.030: Diseño sismorresistente. Technical report, Reglamento Nacional de Edificaciones del Perú.

[Wight and MacGregor, 2016] Wight, J. K. and MacGregor, J. G. (2016). *Reinforced Concrete: Mechanics and Design*. Pearson, 7th edition.

9.11. CE3S4. Ingeniería Sismorresistente y Prevención de Desastres

[Bazán and Meli, 2002] Bazán, E. and Meli, R. (2002). *Diseño Sísmico de Edificios*. Editorial Limusa.

[Bolt, 2005] Bolt, B. A. (2005). *Earthquakes*. W.H. Freeman, 5th edition.

[Chopra, 2017] Chopra, A. K. (2017). *Dynamics of Structures: Theory and Applications to Earthquake Engineering*. Pearson, 5th edition.

[Kramer, 1996] Kramer, S. L. (1996). *Geotechnical Earthquake Engineering*. Prentice Hall.

[Servicio Nacional de Capacitación para la Industria de la Construcción (SENCICO) / Ministerio de Vivienda, 2018] Servicio Nacional de Capacitación para la Industria de la Construcción (SENCICO) / Ministerio de Vivienda, C. y. S. d. P. (2018). Norma técnica e.030: Diseño sismorresistente. Technical report, Reglamento Nacional de Edificaciones del Perú.

9.12. CE3S8. Arquitectura y Modelos Estructurales

[Beer and McMurrey, 2018] Beer, D. F. and McMurrey, D. (2018). *A Guide to Writing as an Engineer*. John Wiley & Sons, 5th edition.

[Ching, 2014] Ching, F. D. K. (2014). *Architecture: Form, Space, and Order*. John Wiley & Sons, 4th 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*. John Wiley & Sons, 3rd edition.

[Hibbeler, 2018] Hibbeler, R. C. (2018). *Structural Analysis*. Pearson, 10th edition.

[Hofstede et al., 2010] Hofstede, G., Hofstede, G. J., and Minkov, M. (2010). *Cultures and Organizations: Software of the Mind*. McGraw-Hill, 3rd edition.

[Kassimali, 2020] Kassimali, A. (2020). *Structural Analysis*. Cengage Learning, 6th edition.

[Kibert, 2016] Kibert, C. J. (2016). *Sustainable Construction: Green Building Design and Delivery*. John Wiley & Sons, 5th edition.

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

[of Consulting Engineers (FIDIC), 2017] of Consulting Engineers (FIDIC), I. F. (2017). Fidic rainbow suite of contracts. Technical report, FIDIC.

[of Examiners for Engineering and (NCEES), 2019] of Examiners for Engineering, N. C. and (NCEES), S. (2019). Guidelines for responsible charge of engineering work. Technical report, NCEES.

[Uff, 2017] Uff, J. (2017). *Construction Law*. Sweet & Maxwell, 12th edition.

9.13. CE402. Proyecto de final de carrera I

[ASCE, 2022] ASCE (2022). Guidelines for state-of-the-art reports. *Journal of Structural Engineering*.

9.14. BLW201. Legislación

- [Correa, 2009] Correa, M. R. (2009). *El Sistema Jurídico: Introducción al Derecho*. Fondo Editorial de la Pontificia Universidad Católica del Perú, 10th edition.
- [Cucci, 2015] Cucci, J. B. (2015). *Fundamentos de Derecho Tributario*. Jurista Editores, 6th edition.
- [de la Puente y Lavalle, 2001] de la Puente y Lavalle, M. (2001). *El Contrato en General: Comentarios a la Sección Primera del Libro VII del Código Civil*. Palestra Editores.
- [Linares, 2019] Linares, A. R. (2019). *Contrataciones y Adquisiciones del Estado y Normas de Control: Análisis y Comentarios*. Gaceta Jurídica, 16th edition.
- [Mujica, 2009] Mujica, J. N. (2009). *Introducción al Derecho del Trabajo*. Fondo Editorial de la Pontificia Universidad Católica del Perú, 2nd edition.
- [Ordóñez, 2016] Ordóñez, J. D. (2016). *El Régimen de la Contratación Estatal en el Perú*. Palestra Editores.
- [Parodi and Freyre, 2008] Parodi, F. O. and Freyre, M. C. (2008). *Compendio de Derecho de las Obligaciones*. Palestra Editores.
- [Sessarego, 2015] Sessarego, C. F. (2015). *Derecho de las Personas: Exposición de Motivos y Comentarios al Libro Primero del Código Civil Peruano*. Editorial Motivensa, 11th edition.
- [Valdez and Arana, 2017] Valdez, J. A. and Arana, F. A. (2017). *Derechos Reales*. Fondo Editorial de la Pontificia Universidad Católica del Perú.
- [Vásquez, 2014] Vásquez, A. T. (2014). *Introducción al Derecho: Teoría General del Derecho*. Instituto Pacífico, 4th edition.

Capítulo 10

Décimo Semestre

10.1. CE3C11. Instalaciones Sanitarias y Eléctricas

[de Capacitación para la Industria de la Construcción (SENCICO), 2006]
de Capacitación para la Industria de la Construcción (SENCICO), S. N. (2006). Norma is.010: Instalaciones sanitarias para edificaciones. Technical report, Reglamento Nacional de Edificaciones del Perú.

[de Energía y Minas del Perú, 2011] de Energía y Minas del Perú, M. (2011). Código nacional de electricidad – utilización. Technical report, Ministerio de Energía y Minas.

10.2. CE3G1. Dinámica de Suelos

[Das, 1983] Das, B. M. (1983). *Fundamentals of Soil Dynamics*. Elsevier.

[Kramer, 1996] Kramer, S. L. (1996). *Geotechnical Earthquake Engineering*. Prentice Hall.

[Prakash, 1981] Prakash, S. (1981). *Soil Dynamics*. McGraw-Hill.

10.3. CE3G2. Mecánica de Suelos Aplicada a Cimentaciones

[Coduto, 2001] Coduto, D. P. (2001). *Foundation Design: Principles and Practices*. Prentice Hall, 2nd edition.

[Das, 2019] Das, B. M. (2019). *Principles of Geotechnical Engineering*. Cengage Learning, 9th edition.

[Duncan et al., 2014] Duncan, J. M., Wright, S. G., and Brandon, T. L. (2014). *Soil Strength and Slope Stability*. John Wiley & Sons, 2nd edition.

[Koerner, 2012] Koerner, R. M. (2012). *Designing with Geosynthetics*. Xlibris Corporation, 6th edition.

-
- [Kramer, 1996] Kramer, S. L. (1996). *Geotechnical Earthquake Engineering*. Prentice Hall.
- [Ministerio de Vivienda, 2018] Ministerio de Vivienda, C. y. S. d. P. (2018). Norma e.050: Suelos y cimentaciones. Technical report, Reglamento Nacional de Edificaciones del Perú.
- [Nelson and Miller, 1992] Nelson, J. D. and Miller, D. J. (1992). *Expansive Soils: Problems and Practice in Foundation and Pavement Engineering*. John Wiley & Sons.

10.4. CE3G7. Taller de Competencias Profesionales

- [Coduto, 2001] Coduto, D. P. (2001). *Foundation Design: Principles and Practices*. Prentice Hall, 2nd edition.
- [Das, 2019] Das, B. M. (2019). *Principles of Geotechnical Engineering*. Cengage Learning, 9th edition.
- [Duncan et al., 2014] Duncan, J. M., Wright, S. G., and Brandon, T. L. (2014). *Soil Strength and Slope Stability*. John Wiley & Sons, 2nd edition.
- [Fell et al., 2015] Fell, R., MacGregor, P., Stapledon, D., Bell, G., and Foster, M. (2015). *Geotechnical Engineering of Dams*. CRC Press, 2nd edition.
- [Koerner, 2012] Koerner, R. M. (2012). *Designing with Geosynthetics*. Xlibris Corporation, 6th edition.
- [Kramer, 1996] Kramer, S. L. (1996). *Geotechnical Earthquake Engineering*. Prentice Hall.
- [Sherard et al., 1963] Sherard, J. L., Woodward, R. J., Gizienski, S. F., and Clevenger, W. A. (1963). *Earth and Earth-Rock Dams: Engineering Problems of Design and Construction*. John Wiley & Sons.
- [U.S. Army Corps of Engineers, 2003] U.S. Army Corps of Engineers (2003). Engineering and design: Slope stability. Technical Report EM 1110-2-1902, U.S. Army Corps of Engineers.
- [U.S. Bureau of Reclamation, 1987] U.S. Bureau of Reclamation (1987). Design of small dams. Technical report, U.S. Government Printing Office.

10.5. CE3H5. Introducción a la Hidráulica Fluvial

- [Chow, 1959] Chow, V. T. (1959). *Open-Channel Hydraulics*. McGraw-Hill.
- [García, 2008] García, M. H. (2008). *Sedimentation Engineering: Processes, Measurements, Modeling, and Practice*. ASCE Manuals and Reports on Engineering Practice No. 110.
- [Julien, 2010] Julien, P. Y. (2010). *Erosion and Sedimentation*. Cambridge University Press, 2nd edition.
- [Novak et al., 2007] Novak, P., Moffat, A. I. B., Nalluri, C., and Narayanan, R. (2007). *Hydraulic Structures*. Taylor & Francis, 4th edition.

10.6. CE3H6. Irrigación

- [Allen et al., 1998] Allen, R. G., Pereira, L. S., Raes, D., and Smith, M. (1998). Crop evapotranspiration: Guidelines for computing crop water requirements. Technical report, FAO Irrigation and Drainage Paper 56.
- [Blank and Tarquin, 2017] Blank, L. and Tarquin, A. (2017). *Engineering Economy*. McGraw-Hill, 8th edition.
- [Chambouleyron, 2005] Chambouleyron, J. (2005). *Riego y Drenaje: Técnicas para el Desarrollo de una Agricultura Regada en el Contexto de un Uso Múltiple del Agua*. Universidad Nacional de Cuyo.
- [Chow, 1959] Chow, V. T. (1959). *Open-Channel Hydraulics*. McGraw-Hill.
- [Glasson and Therivel, 2019] Glasson, J. and Therivel, R. (2019). *Introduction to Environmental Impact Assessment*. Routledge, 5th edition.
- [Karmeli and Keller, 1975] Karmeli, D. and Keller, G. (1975). *Trickle Irrigation Design*. Rain Bird Sprinkler Manufacturing Corporation.
- [Novak et al., 2007] Novak, P., Moffat, A. I. B., Nalluri, C., and Narayanan, R. (2007). *Hydraulic Structures*. Taylor & Francis, 4th edition.

10.7. CE3H7. Taller de Ingeniería Hidráulica e Hidrología

- [Chow et al., 1988] Chow, V. T., Maidment, D. R., and Mays, L. W. (1988). *Applied Hydrology*. McGraw-Hill.
- [Loucks and van Beek, 2017] Loucks, D. P. and van Beek, E. (2017). *Water Resources Systems Planning and Management: An Introduction to Methods, Models, and Applications*. Springer, 2nd edition.
- [Novak et al., 2007] Novak, P., Moffat, A. I. B., Nalluri, C., and Narayanan, R. (2007). *Hydraulic Structures*. Taylor & Francis, 4th edition.
- [of Reclamation, 1987] of Reclamation, U. B. (1987). Design of small dams. Technical report, U.S. Government Printing Office.

10.8. CE3S10. Diseño Sísmico en Obras de Ingeniería Civil

- [307, 2022] 307, A. C. (2022). Standard practice for the design and construction of cast-in-place reinforced concrete chimneys (aci 307-22). Technical report, American Concrete Institute.
- [350, 2020] 350, A. C. (2020). Seismic design of liquid-containing concrete structures (aci 350.3-20). Technical report, American Concrete Institute.
- [Bazán and Meli, 2002] Bazán, E. and Meli, R. (2002). *Diseño Sísmico de Edificios*. Editorial Limusa.

-
- [Bolt, 2005] Bolt, B. A. (2005). *Earthquakes*. W.H. Freeman, 5th edition.
- [Chopra, 2017] Chopra, A. K. (2017). *Dynamics of Structures: Theory and Applications to Earthquake Engineering*. Pearson, 5th edition.
- [Housner, 1963] Housner, G. W. (1963). The dynamic behavior of water tanks. *Bulletin of the Seismological Society of America*, 53(2):381–387.
- [Kramer, 1996] Kramer, S. L. (1996). *Geotechnical Earthquake Engineering*. Prentice Hall.
- [Servicio Nacional de Capacitación para la Industria de la Construcción (SENCICO) / Ministerio de Vivienda, C. y S. d. P. (2018). Norma técnica e.030: Diseño sismorresistente. Technical report, Reglamento Nacional de Edificaciones del Perú.

10.9. CE3S12. Taller de Investigación

- [Booth et al., 2016] Booth, W. C., Colomb, G. G., and Williams, J. M. (2016). *The Craft of Research*. University of Chicago Press, 4th edition.
- [Creswell, 2018] Creswell, J. W. (2018). *Research Design: Qualitative, Quantitative, and Mixed Methods Approaches*. SAGE Publications, 5th edition.
- [Fleddermann, 2020] Fleddermann, C. B. (2020). *Engineering Ethics*. Pearson, 5th edition.
- [Gurak and Lannon, 2013] Gurak, L. J. and Lannon, J. M. (2013). *A Concise Guide to Technical Communication*. Pearson, 4th edition.
- [Harris et al., 2013] Harris, C. E., Pritchard, M. S., and Rabins, M. J. (2013). *Engineering Ethics: Concepts and Cases*. Cengage Learning, 6th edition.
- [Kumar, 2019] Kumar, R. (2019). *Research Methodology: A Step-by-Step Guide for Beginners*. SAGE Publications, 5th edition.
- [Leedy and Ormrod, 2019] Leedy, P. D. and Ormrod, J. E. (2019). *Practical Research: Planning and Design*. Pearson, 12th edition.
- [Montgomery and Runger, 2018] Montgomery, D. C. and Runger, G. C. (2018). *Applied Statistics and Probability for Engineers*. Wiley, 7th edition.

10.10. CE3S2. Concreto Armado II

- [ACI Committee 318, 2019] ACI Committee 318 (2019). Building code requirements for structural concrete (aci 318-19) and commentary. Technical report, American Concrete Institute.
- [Coduto, 2001] Coduto, D. P. (2001). *Foundation Design: Principles and Practices*. Prentice Hall, 2nd edition.
- [Das, 2019] Das, B. M. (2019). *Principles of Geotechnical Engineering*. Cengage Learning, 9th edition.

-
- [McCormac and Brown, 2021] McCormac, J. C. and Brown, R. H. (2021). *Design of Reinforced Concrete*. Wiley, 10th edition.
- [Moehle, 2015] Moehle, J. P. (2015). *Seismic Design of Reinforced Concrete Buildings*. McGraw-Hill Education.
- [Wight and MacGregor, 2016] Wight, J. K. and MacGregor, J. G. (2016). *Reinforced Concrete: Mechanics and Design*. Pearson, 7th edition.

10.11. CE3S6. Albañilería, Adobe y Madera

- [Blondet et al., 2003] Blondet, M., Garcia, G. V., and Brzev, S. (2003). Earthquake-resistant construction of adobe buildings: A tutorial. Technical report, EERI/IAEE World Housing Encyclopedia.
- [Breyer et al., 2015] Breyer, D. E., Cobeen, K. E., Fridley, D. G., and Pawlowski, K. J. (2015). *Design of Wood Structures ASD/LRFD*. McGraw-Hill, 8th edition.
- [de Capacitación para la Industria de la Construcción (SENCICO), 2006a] de Capacitación para la Industria de la Construcción (SENCICO), S. N. (2006a). Norma técnica e.010: Madera. Technical report, Reglamento Nacional de Edificaciones del Perú.
- [de Capacitación para la Industria de la Construcción (SENCICO), 2006b] de Capacitación para la Industria de la Construcción (SENCICO), S. N. (2006b). Norma técnica e.070: Albañilería. Technical report, Reglamento Nacional de Edificaciones del Perú.
- [de Capacitación para la Industria de la Construcción (SENCICO), 2017] de Capacitación para la Industria de la Construcción (SENCICO), S. N. (2017). Norma técnica e.080: Diseño y construcción con tierra reforzada. Technical report, Reglamento Nacional de Edificaciones del Perú.
- [Drysedale and Hamid, 2008] Drysdale, R. G. and Hamid, A. A. (2008). *Masonry Structures: Behavior and Design*. Masonry Society, 3rd edition.
- [Institute, 2021] Institute, P. M. (2021). A guide to the project management body of knowledge (pmbok guide). Technical report, Project Management Institute.
- [Servicio Nacional de Capacitación para la Industria de la Construcción (SENCICO) / Ministerio de Vivienda, 2018] Servicio Nacional de Capacitación para la Industria de la Construcción (SENCICO) / Ministerio de Vivienda, C. y. S. d. P. (2018). Norma técnica e.030: Diseño sismorresistente. Technical report, Reglamento Nacional de Edificaciones del Perú.

10.12. CE3S7. Rehabilitación y Refuerzo de Estructuras

- [Agency, 2000] Agency, F. E. M. (2000). Fema 356: Prestandard and commentary for the seismic rehabilitation of buildings. Technical report, Federal Emergency Management Agency.
- [Institute, 2017] Institute, A. C. (2017). Aci 440.2r-17: Guide for the design and construction of externally bonded frp systems for strengthening concrete structures. Technical report, American Concrete Institute.
- [Institute, 2021] Institute, A. C. (2021). Aci 562: Code requirements for assessment, repair, and rehabilitation of existing concrete structures. Technical report, American Concrete Institute.
- [of Civil Engineers, 2017] of Civil Engineers, A. S. (2017). Asce/sei 41-17: Seismic evaluation and retrofit of existing buildings. Technical report, American Society of Civil Engineers.
- [of Civil Engineers, 2021] of Civil Engineers, A. S. (2021). 2021 infrastructure report card. Technical report, American Society of Civil Engineers.
- [of Civil Engineers, 2022] of Civil Engineers, A. S. (2022). Asce/sei 7-22: Minimum design loads and associated criteria for buildings and other structures. Technical report, American Society of Civil Engineers.
- [Priestley et al., 2007] Priestley, M. J. N., Calvi, G. M., and Kowalsky, M. J. (2007). *Displacement-Based Seismic Design of Structures*. IUSS Press.
- [Servicio Nacional de Capacitación para la Industria de la Construcción (SENCICO) / Ministerio de V, Servicio Nacional de Capacitación para la Industria de la Construcción (SENCICO) / Ministerio de Vivienda, C. y. S. d. P. (2018). Norma técnica e.030: Diseño sismorresistente. Technical report, Reglamento Nacional de Edificaciones del Perú.

10.13. CE403. Proyecto de final de carrera II

- [ASTM, 2021] ASTM (2021). *Form and Style for ASTM Standards*. ASTM International.
- [Meredith, 1993] Meredith, J. (1993). Theory building through conceptual methods. *International Journal of Operations & Production Management*.
- [Yin, 2018] Yin, R. K. (2018). *Case Study Research and Applications: Design and Methods*. SAGE Publications, 6th edition.

10.14. CE3C12. Costos y Presupuestos (Electivo)

- [de la Construcción (CAPECO), 2020] de la Construcción (CAPECO), C. P. (2020). Costos y presupuestos en edificación. Technical report, CAPECO.

[Peurifoy et al., 2018] Peurifoy, R. L., Schexnayder, C. J., Shapira, A., and Jha, K. N. (2018). *Construction Planning, Equipment, and Methods*. McGraw-Hill, 9th edition.

10.15. CE3C13. Planeamiento y Control de Proyectos (Electivo)

[Ballard, 2000] Ballard, G. (2000). The last planner system of production control. *PhD Thesis, University of Birmingham*.

[Callahan et al., 1992] Callahan, M. T., Quackenbush, D. G., and Rowings, J. E. (1992). *Construction Project Scheduling*. McGraw-Hill.

[Institute, 2021] Institute, P. M. (2021). *A Guide to the Project Management Body of Knowledge (PMBOK Guide)*. Project Management Institute, 7th edition.

[Robbins and Coulter, 2017] Robbins, S. P. and Coulter, M. (2017). *Management*. Pearson, 14th edition.

10.16. CE3C14. Infraestructura Sostenible y Resiliente

[Kibert, 2016] Kibert, C. J. (2016). *Sustainable Construction: Green Building Design and Delivery*. Wiley, 5th edition.