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*APPLIED MEASUREMENT PROFESSIONALS, INC.*

# **A Job Analysis Study of the BOC Pedorthist**

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Conducted for the

Board for Orthotist/Prosthetist Certification

prepared by:

Steven S. Nettles, EdD  
Senior Vice President, Psychometrics

J. Michael Clark III, MS  
Research Associate, Psychometrics

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## EXECUTIVE SUMMARY

The job analysis described in this report was conducted in 2006 at the request of the Board for Orthotist/Prosthetist Certification (BOC). The purpose of the study was to describe the job activities of the BOC pedorthist in sufficient detail to provide a basis for the development of a professional, job-related certification examination.

The BOC Pedorthist Advisory Committee (AC) conducted the activities necessary to identify job responsibilities and to develop the test specifications for the BOC Pedorthist certification examination. The AC represented varied national regions and practice settings. All AC members were experts in the duties and activities associated with the profession.

The AC developed test specifications for the BOC Pedorthist examination based on their expert judgment. The AC was responsible for the following tasks regarding the job analysis study:

- defining the purpose of the exam,
- determining how the exam score is intended to be interpreted,
- defining the target practitioner, and
- developing a test content outline to form the basis for future item writing and test construction tasks.

A committee-based job analysis was used to define the job of a BOC pedorthist, and the AC used this definition as a basis for the creation of test specifications to be used to construct the BOC Pedorthist exam specifications. Test specifications were developed based on the expert judgment of the members of the AC.

For each task, the AC used their expert judgment to determine if it was acceptable for the final detailed content outline. The AC unanimously decided to keep or delete each task individually. The AC decided that a 100-item multiple-choice examination sufficiently samples the content domain to render a pass/fail decision based on examination scores. The resulting test specifications and detailed content outline will be used by the BOC Pedorthist Examination Development Committee to assemble future test forms.

## INTRODUCTION

The job analysis described in this report was conducted in 2006 at the request of BOC. The purpose of the job analysis was to describe the BOC pedorthist's job in sufficient detail to provide a basis for a national certification examination and ensure that the content of the examination was job-related.

BOC appointed an Advisory Committee (AC) to complete a committee-based job analysis study of the BOC pedorthist and to draft test specifications to be used in developing the BOC Pedorthist examination. The AC developed a comprehensive inventory of activities that BOC pedorthists perform by considering tasks listed on the BOC Orthotic Fitter detailed content outline and other sources from outside BOC.

The AC elected to use their expert judgment in determining which tasks are most critical to the competent performance of a BOC pedorthist's job. All tasks that appear on the final detailed content outline were scrutinized and discussed by the AC, and all such tasks that appear on the DCO were determined to be appropriate for assessment based on the unanimous agreement of the experts on the AC.

## METHODOLOGY

### Forming the Advisory Committee

The AC was consulted throughout the job analysis process to ensure that expert judgment was available to AMP staff. The members of the AC were subject matter experts, all thoroughly familiar with the skills and activities required of the BOC pedorthist. The AC members are listed in Table 1.

Table 1  
*Job Analysis Advisory Committee*

Name
Teresa Alpert-Liebman, Chair
Rex Bowman
Roger Dart
Dean Mason
Holly Todd

### Advisory Committee Responsibilities

Each member of the AC invested a significant amount of time to help ensure a successful job analysis study. We are grateful to each of these professionals for their guidance, expertise, and devotion to this complex project. The members of the AC were tasked with reviewing a number of sources and determining the content of the BOC Pedorthist examination. Considering these resources, the AC used their expert judgment and made all final decision regarding content that would be tested on this exam.

### Resources

The AC used several resources in making decisions that affected the makeup of the BOC Pedorthist exam specifications. The detailed content outline for the BOC Orthotic Fitter examination served as the starting point for this study. The Orthotic Fitter DCO was chosen for this task because of the similarity in practice between BOC pedorthists and orthotic fitters. The Orthotic Fitter DCO can be found in Appendix A.

In addition to the Orthotic Fitter DCO, the AC used information provided in other resources in determining the content of the BOC Pedorthist exam specification. The AC used information provided in the 2004 candidate handbook for the Certified Pedorthist (C.Ped.) exam that was at the time offered by the Board for Certification in Pedorthics (BCP), which has since merged with the American Board for Certification in Orthotics, Prosthetics, & Pedorthics (ABC) (Board for Certification in Pedorthics, 2003). The AC also considered the Draft Standards put forth by the Commission on Accreditation of Pedorthic Education (2005) in creating the BOC Pedorthist exam specifications.

## RESULTS

### Creation of the Task List

The members of the AC carefully considered every task on the Orthotic Fitter detailed content outline. Each task was discussed among the AC, and they unanimously agreed to approve, reject, or revise the task for use on the BOC Pedorthist DCO. Tasks that were determined to be appropriate were approved and copied directly to the new BOC Pedorthist DCO. Tasks that were deemed to be outside the scope of practice for BOC pedorthists were not placed on the BOC Pedorthist DCO. Finally, some tasks were reworded to be appropriate for a BOC Pedorthist examination. Other sources (Board for Certification in Pedorthics, 2003; CAPE, 2006) were reviewed to ensure that all necessary tasks were represented on the final detailed content outline. The final BOC Pedorthist detailed content outline had a total of 89 tasks.

### Cognitive Complexity

After the number of tasks was determined, the next step involved defining the cognitive complexity of the content. A complexity scale was designed to determine at what cognitive level individual tasks were performed. The information provided a basis for matching test item complexity to job complexity. The AC discussed every task in each section and considered the typical complexity of task performance using the descriptions described in Table 2. They then determined a distribution for each major category by the categories of recall, application, and analysis. Section and task complexity is based on Bloom's *Taxonomy of Educational Objectives* (1956, pp. 201-207).

Table 2  
*Description of Complexity Levels*

Cognitive Level	Description
Recall	Requires only the identification, recall, or recognition of isolated information, such as specific facts, generalizations, concepts, principles, or procedures. The information generally does not vary relative to the situation.
Application	Requires comprehension, interpretation, or manipulation of limited concepts or data, in which the response or outcome is situationally dependent, but not overly complex (e.g., application of knowledge which varies based on patient characteristics and environment). Tasks that require candidates to recognize elements and relationships among data and to classify, explain, or differentiate are usually application level.
Analysis	Requires the integration or synthesis of a variety of concepts or elements to solve a specific problem situation (e.g., evaluating and rendering judgments on complex problems with many situational variables).

Using their expert judgment, the AC determined at what cognitive level each task should be assessed. Considering individual cognitive level ratings for tasks within each content area, the AC determined the total distribution of exam questions and cognitive levels, as summarized in Table 3. A full copy of the detailed content outline can be found in Appendix B.

Table 3  
*BOC Pedorthist Test Specifications*

Content Area	Recall	Application	Analysis	Total
1. Facilities Management	2	3	2	7
2. Perform Professional Practice/Ethics	2	4	1	7
3. Patient/Customer Assessment/Evaluation	4	4	12	20
4. Communication/Patient Education	4	5	1	10
5. Footwear, Orthosis, or Foot Prosthesis Application and delivery	8	11	1	20
6. Patient/Customer Follow-up	4	4	1	9
7. Patient/Customer Preparation/Measurements	3	4	0	7
8. Evaluation/Selection of Product/Model/Type of Orthoses/Footwear/Modifications	4	4	12	20
<b>Total</b>	<b>31</b>	<b>39</b>	<b>30</b>	<b>100</b>

## CONCLUSIONS

The job analysis described in this report was undertaken to provide evidence supporting content valid inferences from examination scores. The study was conducted to determine and comprehensively describe the BOC pedorthist's job, to evaluate this description through the judgment of content experts, and to define areas that should be assessed in this examination.

BOC formed the AC, who prepared a comprehensive list of activities describing the job. The AC reviewed the Orthotic Fitter detailed content outline and used their expert judgment to develop BOC Pedorthist test specifications directly related to the important activities performed by BOC pedorthists. These test specifications represent the development plan for a job-related multiple-choice examination. Each form of the examination will contain the specified number of items distributed across the content areas and complexity levels. The test will be compensatory (i.e., the passing score will be based on the cumulative test score). Because each test form will be developed to match these job-related, test specifications, valid content-related inferences can be drawn about candidates' abilities to perform the BOC pedorthist's job.

## REFERENCES

- Bloom, B. (Ed.) (1956). *Taxonomy of Educational Objectives, Handbook I: The Cognitive Domain*. New York: David McKay Company, Inc.
- Board for Certification in Podiatry (2003). *Board for Certification in Podiatry 2004 Candidate Handbook*. Seattle, WA.
- Commission on Accreditation of Podiatric Education (2005). *Draft Standards*. Retrieved December, 2006 from <http://www.cape-edu.org/draft%20standards%20appendix.doc>.
- Guilford, J. P. (1956). *Fundamental Statistics in Psychology and Education*. New York: McGraw Hill.
- Hopkins, K.D., Stanley, J.C., Hopkins, B.R. (1990). *Educational and psychological measurement and evaluation*, (7th edition). New Jersey: Prentice Hall.



**Orthotic Fitter  
Detailed Content Outline**





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## Certified Orthotic Fitter Detailed Content Outline

Scope of Practice is limited to the fitting of prefabricated orthoses. Prefabricated orthoses are those manufactured, sized devices intended to be used on the head, torso, or extremities that are not custom fabricated. The only exceptions are custom molded shoes and arch supports.

An "X" denotes the examination will NOT contain items for the given task at the cognitive level indicated in the respective column (recall, application, or analysis).

	Cognitive Level			Total
	Recall	Application	Analysis	
<b>I. Facilities Management</b>	<b>1</b>	<b>5</b>	<b>2</b>	<b>8</b>
A. Determine elements of the fitting room (e.g., adjustable stool, exam/fitting table, mirror, hard back chair, and parallel bars, or other appropriate ambulating device)			X	
B. Determine required equipment, tools, and materials				
1. manufacturing/alteration equipment (e.g., heat gun, oven, bending irons, sewing machine, alignment device, anvil, grinding and carving tools, vise)			X	
2. measuring devices (e.g., tape measures, goniometer, calipers, VAPC caliper, ML gauge, measuring chart, plumb bob, yard/meter stick)			X	
3. casting equipment and materials (e.g., saws, spreaders, stockinette, indelible pencil, plaster of Paris, fiberglass, surgical gloves, water, bowls)		X	X	
C. Comply with environmental safety regulations in all practice settings (e.g., pathogens, cross-infection, work place hazards)			X	
D. Assure quality care by development and maintenance of policies and procedures regarding patients, prescribers, personnel, maintenance of records, etc.				
E. Comply with HIPAA regulations				
<b>II. Perform Professional Practice/Ethics</b>	<b>2</b>	<b>5</b>	<b>1</b>	<b>8</b>
A. Maintain patient confidentiality			X	
B. Provide training, lectures and information to staff or other health care professionals on current orthotic information			X	
C. Establish a quality assurance system that evaluates patient care				
D. Participate in orthotic clinics			X	
E. Fulfill necessary continuing education requirements			X	
<b>III. Patient Assessment/Evaluation</b>	<b>3</b>	<b>11</b>	<b>4</b>	<b>18</b>
A. Establish relationship with patient				
1. Patient intake				
a. Record all personal and insurance information about patient			X	
b. Discuss financial matters for services/devices with patient			X	
c. Determine patient's expectations				
d. Interview patient and obtain history			X	
e. Collect and evaluate patient records				
f. Identify the pathology of the disease to provide the proper orthosis or prosthesis				
g. Discuss any related medical treatment(s)			X	



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	Cognitive Level			Total
	Recall	Application	Analysis	
<b>B. Evaluate and assess patient to determine</b>				
1. skin condition			X	
2. range of motion			X	
3. muscle strength			X	
4. manual dexterity			X	
5. coordination			X	
6. posture and gait			X	
7. proprioception			X	
8. sensation			X	
<b>C. Assess Prescription</b>				
1. Determine elements of a valid prescription				
a. Verify validity of prescriber		X	X	
b. Verify information contained on prescription			X	
2. Determine relation of prescription to presenting problem				
3. Discuss prescription with patient (i.e., explain the patient's role/responsibilities)			X	
4. Contact prescribing doctor and discuss/revise prescription			X	
<b>IV. Communication/Patient Education</b>	<b>3</b>	<b>7</b>	<b>2</b>	<b>12</b>
<b>A. Explain purpose/objective of orthosis</b>				
1. Inform patient and/or caregiver of the various procedures to be performed			X	
2. Explain advantages and disadvantages			X	
3. Determine patient's expectations				
4. Explain patient's role/responsibilities			X	
<b>B. Provide initial instructions</b>				
1. Instruct patient and/or caregiver in donning, doffing, care of orthosis/prosthesis			X	
2. Demonstrate proper application, alignment and removal			X	
3. Instruct patient and/or caregiver in fitting adjustments such as using prosthetic socks or tightening straps, etc.			X	
4. Explain how to recognize potential problems (e.g., pressure points, skin breakdown, numbness, contractures)				
5. Explain care and cleaning procedures		X	X	
<b>C. Evaluate psychological impact of devices on patient, family and others</b>				
<b>D. Establish procedures for patient follow-up</b>				
1. Initiate and encourage on-going communication with patient and/or caregiver		X	X	



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An "X" denotes the examination will NOT contain items for the given task at the cognitive level indicated in the respective column (recall, application, or analysis).

	Cognitive Level			Total
	Recall	Application	Analysis	
2. Develop and maintain patient's records			X	
3. Inform patient and/or caregiver of provisions for continued servicing of device (e.g., adjustments, consultation)		X	X	
4. Communicate with the patient and/or caregiver verbally and in writing		X	X	
E. Conduct inter-professional communications			X	
<b>V. Orthosis Application and Delivery</b>	<b>6</b>	<b>10</b>	<b>1</b>	<b>17</b>
A. Finalize alignment and fit orthosis to patient				
1. Don orthosis to patient and finalize alignment, fit, and cosmetic appearance			X	
2. Demonstrate proper application, alignment and removal			X	
3. Demonstrate to patient and/or caregiver donning, doffing, fitting adjustments and care of orthosis			X	
4. Explain how to recognize potential problems (e.g., pressure points, skin breakdown, numbness, contractures)				
5. Have patient and/or caregiver demonstrate proper application and removal			X	
6. Have patient and/or caregiver sign receipts and acknowledgments		X	X	
B. Explain follow-up procedures			X	
C. Refer to physician for post-fitting follow-up		X	X	
<b>VI. Patient Follow-up</b>	<b>1</b>	<b>5</b>	<b>1</b>	<b>7</b>
A. Evaluate fit and function of orthosis/prosthesis				
B. Perform necessary adjustments			X	
C. Schedule follow-up visits		X	X	
<b>VII. Patient Preparation/Measurements</b>	<b>4</b>	<b>5</b>	<b>1</b>	<b>10</b>
A. Measure patient				
1. Select techniques (e.g., patient positioning, casting, tracing)			X	
2. Identify anatomical landmarks		X	X	
3. Use measuring devices			X	
B. Perform casting procedures for foot only			X	
C. Select materials for diabetic shoes and inserts				



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An "X" denotes the examination will NOT contain items for the given task at the cognitive level indicated in the respective column (recall, application, or analysis).

	Cognitive Level			Total
	Recall	Application	Analysis	
<b>VIII. Evaluation/Selection of Product/Model/Type of Orthoses</b>	<b>4</b>	<b>12</b>	<b>4</b>	<b>20</b>
A. Cervical/Cervical Thoracic Orthoses (CO, CTO)				
1. soft foam collars			X	
2. semi-rigid (e.g., Philadelphia)			X	
3. rigid (e.g., multiple post)			X	
B. Thoraco-Lumbo-Sacral Orthoses (TLSO)				
1. rigid (e.g., Taylor, Knight-Taylor, plastic, hyperextension)			X	
2. flexible (e.g., with steel stays, thermal molded insert)			X	
C. Lumbo-Sacral Orthoses (LSO)				
1. rigid (e.g., chairback, Knight, Harris, Williams flexion, plastic)			X	
2. flexible (e.g., with steel stays, thermal molded insert)			X	
D. Knee Orthoses (KO)				
1. rigid types (e.g., ACL, PCL, MCL, OA, multi-ligamentous, genu recurvatum, dynamic and adjustable R.O.M.)				
2. flexible (e.g., patella-stabilizer, elastic type knee supports with or without inserts/hinges/pads)			X	
E. Knee Ankle Foot Orthoses (KAFO) (e.g., prefabricated)				
F. Ankle Foot Orthoses (AFO) (e.g., double or single upright, leather or plastic, dynamic and adjustable R.O.M., posterior leaf spring (metal or plastic))				
G. Foot Orthoses (FO) (e.g., arch support, UCBL, straight/ reverse last shoes, shoe modifications, foot plate)				
H. Wrist/Hand/Finger Orthoses (WHFO, WHO (e.g., dynamic and adjustable R.O.M., resting, and functional orthoses)			X	
I. Elbow Orthoses (EO) (e.g., dynamic and adjustable R.O.M., resting, and functional orthoses)			X	
J. Shoulder Orthoses (SO) (e.g., dynamic and adjustable R.O.M., resting, and functional orthoses)			X	
K. Functional Fracture Orthoses (e.g., upper extremity and lower extremity)			X	
L. Abdominal and Pelvic				
1. trusses (e.g., flexible and rigid)			X	
2. flexible supports			X	
3. maternity supports			X	
M. Compression Devices				
1. lymphedema garments				
2. compression garments			X	



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An "X" denotes the examination will NOT contain items for the given task at the cognitive level indicated in the respective column (recall, application, or analysis).

	Cognitive Level			Total
	Recall	Application	Analysis	
3. burn garments				
N. Breast Prosthesis and Ancillary Supplies			X	
<b>Totals</b>	<b>24</b>	<b>60</b>	<b>16</b>	<b>100</b>



**BOC Pedorthist  
Detailed Content Outline**





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## BOC Pedorthist Detailed Content Outline

Scope of Practice is limited to the fitting of prefabricated and custom foot orthoses. Prefabricated orthoses are those manufactured, sized devices intended to be used at or below the ankle that are not custom fabricated. Custom foot orthoses include custom molded shoes, arch supports, and orthopedic appliances for the foot and ankle.

An "X" denotes the examination will NOT contain items for the given task at the cognitive level indicated in the respective column.

	Cognitive Level			Total
	Recall	Application	Analysis	
<b>I. Facilities Management</b>	<b>2</b>	<b>3</b>	<b>2</b>	<b>7</b>
A. Determine elements of the fitting room (e.g., adjustable stool, exam/fitting table, mirror, hard back chair, or other appropriate ambulating device)			X	
B. Determine Required Equipment, Tools, and Materials				
1. manufacturing/alteration equipment (e.g., adhesives, solvents, heat gun, oven, sewing machine, alignment device, anvil, grinding tools, leather punch, press, vise)			X	
2. measuring devices (e.g., foot-measuring devices, tape measures, goniometer, calipers, ML gauge, measuring chart)			X	
3. casting equipment (e.g., saws, spreaders, stockinette, indelible pencil, plaster of Paris, fiberglass, surgical gloves, water, bowls)			X	
4. materials (leather, PVA, crepe)			X	
C. Comply with environmental safety regulations in all practice settings (e.g., pathogens, cross-infection, work place hazards)			X	
D. Assure quality care by development and maintenance of policies and procedures regarding patients/customers, prescribers, personnel, maintenance of records, etc.				
E. Retail Shoe Business and Management				
1. Demonstrate understanding of facilities management			X	
2. Operate in a professional manner			X	
3. Understand inventory management			X	
4. Demonstrate understanding of Medicare laws pertaining to Pedorthics (e.g., Therapeutic shoe bill, Required practices)				
5. Demonstrate understanding of Employment laws				
F. Comply with HIPAA regulations				
<b>II. Perform Professional Practice/Ethics</b>	<b>2</b>	<b>4</b>	<b>1</b>	<b>7</b>
A. Maintain patient/customer confidentiality			X	
B. Provide training, lectures and information to staff or other health care professionals on current orthotic information			X	
C. Establish a quality assurance system that evaluates patient/customer care				
D. Participate in orthotic clinics			X	
E. Fulfill necessary continuing education requirements			X	



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An "X" denotes the examination will NOT contain items for the given task at the cognitive level indicated in the respective column.

	Cognitive Level			Total
	Recall	Application	Analysis	
<b>III. Patient/Customer Assessment/Evaluation</b>	<b>4</b>	<b>4</b>	<b>12</b>	<b>20</b>
A. Establish relationship with patient/customer				
1. Patient/Customer Intake				
a. Record all personal and insurance information about patient/customer			X	
b. Discuss financial matters for services/devices with patient/customer			X	
c. Determine patient's/customer's expectations				
d. Interview patient/customer and obtain history			X	
e. Collect and evaluate patient/customer records				
f. Identify the pathology and symptomology to provide the proper footwear, orthosis, or foot prosthesis				
g. Discuss any related medical treatment(s)			X	
B. Evaluate and assess patient/customer to determine:				
1. skin condition (e.g., temperature, color, texture, pathologies)				
2. range of motion (e.g., skeletal, muscular, ligamentous, biomechanics)				
3. muscle strength (e.g., neuromuscular pathologies)				
4. manual dexterity (e.g., arthritis, CVA, obesity)				
5. coordination (e.g., neuromuscular diseases, trauma)				
6. biomechanics and gait (e.g., foot and ankle deformities)				
7. proprioception (e.g., eyesight)				
8. sensation (e.g., pain, neuropathy, related pathologies)				
9. systemic pathologies (e.g., arthritis, diabetes, gout, edema, foot deformities)				
C. Assess Prescription				
1. Determine elements of a valid prescription				
a. Verify validity of prescriber		X	X	
b. Verify information contained on prescription			X	
2. Determine relation of prescription to presenting problem				
3. Discuss prescription with patient/customer (i.e., explain the patient's/customer's role/responsibilities)			X	
4. Contact prescribing physician and discuss/revise prescription			X	
<b>IV. Communication/Patient Education</b>	<b>4</b>	<b>5</b>	<b>1</b>	<b>10</b>
A. Explain Purpose/Objective of Footwear, Orthosis, or Foot Prosthesis				
1. Inform patient/customer and/or caregiver of the various procedures to be performed			X	
2. Explain advantages and disadvantages			X	



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An "X" denotes the examination will NOT contain items for the given task at the cognitive level indicated in the respective column.

	Cognitive Level			Total
	Recall	Application	Analysis	
3. Determine patient's/customer's expectations				
4. Explain patient's/customer's role/responsibilities			X	
<b>B. Provide Initial Instructions</b>				
1. Instruct patient/customer and/or caregiver in donning, doffing, care of footwear, orthosis, or foot prosthesis			X	
2. Demonstrate proper application, alignment, and removal			X	
3. Instruct patient/customer and/or caregiver in use, care, and wear of footwear, orthosis, or foot prosthesis			X	
4. Explain how to recognize potential problems (e.g., pressure points, skin breakdown, numbness, contractures)				
5. Explain care and cleaning procedures		X	X	
<b>C. Evaluate psychological impact of products on patient/customer, family, and others</b>				
<b>D. Establish Procedures for Patient/Customer Follow-up</b>				
1. Initiate and encourage on-going communication with patient/customer and/or caregiver		X	X	
2. Develop and maintain patient/customer records			X	
3. Inform patient/customer and/or caregiver of provisions for continued servicing of products		X	X	
4. Communicate with the patient/customer and/or caregiver verbally and in writing		X	X	
<b>E. Conduct inter-professional communications</b>			X	
<b>V. Footwear, Orthosis, or Foot Prosthesis Application and Delivery</b>	<b>8</b>	<b>11</b>	<b>1</b>	<b>20</b>
<b>A. Finalize Alignment and Fit Footwear, Orthosis, or Foot Prosthesis to Patient/Customer</b>				
1. Don footwear, orthosis, or foot prosthesis to patient/customer and finalize alignment, fit, and cosmetic appearance			X	
2. Demonstrate proper application, alignment, and removal			X	
3. Demonstrate to patient/customer and/or caregiver donning, doffing, fitting adjustments and care of footwear, orthosis, or foot prosthesis			X	
4. Explain how to recognize potential problems (e.g., pressure points, skin breakdown, numbness, contractures)				
5. Have patient/customer and/or caregiver demonstrate proper application and removal			X	
6. Have patient/customer and/or caregiver sign receipts and acknowledgments		X	X	
<b>B. Explain follow-up procedures</b>			X	
<b>C. Refer to physician for post-fitting follow-up</b>		X	X	



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## BOC Pedorthist Detailed Content Outline

Scope of Practice is limited to the fitting of prefabricated and custom foot orthoses. Prefabricated orthoses are those manufactured, sized devices intended to be used at or below the ankle that are not custom fabricated. Custom foot orthoses include custom molded shoes, arch supports, and orthopedic appliances for the foot and ankle.

An "X" denotes the examination will NOT contain items for the given task at the cognitive level indicated in the respective column.

	Cognitive Level			Total
	Recall	Application	Analysis	
<b>VI. Patient/Customer Follow-up</b>	<b>4</b>	<b>4</b>	<b>1</b>	<b>9</b>
A. Evaluate fit and function of footwear, orthosis, or foot prosthesis				
B. Perform necessary adjustments			X	
C. Schedule follow-up visits		X	X	
<b>VII. Patient/Customer Preparation/Measurements</b>	<b>3</b>	<b>4</b>	<b>0</b>	<b>7</b>
A. Measure Patient/Customer				
1. Select techniques (e.g., patient/customer positioning, casting, tracing)			X	
2. Identify anatomical landmarks		X	X	
3. Use measuring devices			X	
B. Perform casting procedures for foot and ankle			X	
<b>VIII. Evaluation/Selection of Product/Model/Type of Orthoses/Footwear/Modifications</b>	<b>4</b>	<b>4</b>	<b>12</b>	<b>20</b>
A. Complete a Pedorthic Evaluation (patient/customer and footwear assessment)				
B. Footwear				
1. Describe the primary sections and basic components of the shoe.		X	X	
2. Describe the basic construction of a shoe including last patterns and function of last shape (e.g., cement process, Goodyear welt process, stitch-down process, genuine moccasin construction, heat-sealing process, basic shoe assembly)		X	X	
3. Understand goals and techniques for measuring feet and demonstrate the ability to properly fit shoes.				
C. Footwear Modifications				
1. Understand common pedorthic shoe modifications, their function and biomechanical effects.				
2. Perform upper shoe modifications applying balloon patches, closure conversion techniques, and heel counter modification techniques.				
3. Apply various types of rocker soles, and describe their function and biomechanical effects				
4. Differentiate between the terms heel strike, midstance, rocker angle, and apex relevant to rocker soles.			X	
5. Fabricate different types of rocker soles, including, mild, heel-to-toe, severe angle, negative heel, and double.				
6. Perform midsole and outsole modifications, including rocker bottoms, wedges, flares, shanks, etc.			X	
7. Describe the function and application of customizing uppers			X	
8. Fabricate a customized shoe upper.			X	



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	Cognitive Level			Total
	Recall	Application	Analysis	
9. Demonstrate sole splitting to add shoe modifications between the original sole.			X	
10. Conduct a trial fitting of various shoe modifications, evaluate, and make necessary adjustments.				
<b>D. Footwear, Orthoses, and Foot Prostheses</b>				
1. Dispense over-the-counter Pre-fabricated Foot Orthoses				
2. Dispense custom accommodative Foot Orthoses				
3. Dispense custom functional foot orthoses				
4. Dispense therapeutic/comfort footwear				
5. Dispense Custom Molded Therapeutic Shoes				
6. Dispense Subtalar-Control Foot Orthosis (SCFO)				
<b>Totals</b>	<b>31</b>	<b>39</b>	<b>30</b>	<b>100</b>